ELECTE FEB 11 1991

DTG FILE COPY

AGARD-CAL-91/1



ADVISORY GROUP FOR AEROSPACE RESEARCH & DEVELOPMENT

7 RUE ANCELLE 92200 NEUILLY SUR SEINE FRANCE

Calendar of Selected

Aeronautical & Space Meetings

JANUARY 1991 onwards

Calendrier des Manifestations Aéronautiques et Spatiales (Sélection) JANVIER 1991 et au-delà

NORTH ATLANTIC TREATY DRGANIZATION



DISTRIBUTION STATEMENT A

AD-A231

Approved for public releases
Distribution Unlimited

91 2 08

019

ADVISORY GROUP FOR AEROSPACE RESEARCH & DEVELOPMENT GROUPE CONSULTATIF POUR LA RECHERCHE ET LES REALISATIONS AEROSPATIALES

NORTH ATLANTIC TREATY ORGANIZATION ORGANISATION DU TRAITE DE L'ATLANTIQUE NORD

Calendrier des Manifestations Aéronautiques et Spatiales (Sélection) JANVIER 1991 et au-delà

Calendar of Selected Aeronautical and Space Meetings
JANUARY 1991 onwards

Edité par:

AGARD, 7 rue Ancelle, 92200 Neuilly-sur-Seine, France

Published by:

Contents

Prefa	re	Page
		iv
Instru	actions for Use	vi
Part		
1	Topics List	viji
2	Calendar of Selected Aeronautical and Space Meetings	2
3	Keyword Index	98
4	Country Codes	107
5	List of Organizations	108

Published December 1990

Copyright © AGARD 1990 All Rights Reserved

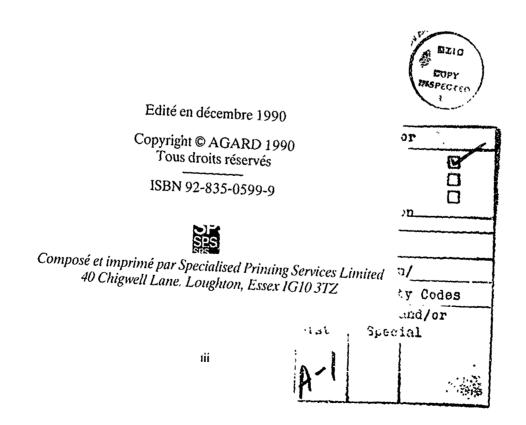
ISBN 92-835-0599-9



Set and printed by Specialised Printing Services Limited 40 Chigwell Lane, Loughton, Essex IG10 3TZ

Sommaire

Préfa	ace	Page
Mode	e d'Emploi	v
Chapi	itre	vii
1	Liste des Thèmes	•
2	Calendrier des Manifestations Aéronautiques et Spatiales (Sélection)	1
3	Index des Mots-Clés	2 98
4	Codes des Pays	107
5	Liste des Organismes	108



Preface

The purpose of this AGARD publication is to assist members of the Aeronautical and Space Community by:

- Informing them about many scheduled International Scientific and Technical Meetings;
- Avoiding the need for them to consult several sources in order to find out what meetings have been planned, their dates and locations.

The AGARD Calendar is published every six months, in June and December of each year.

Details concerning the meetings listed in this particular issue of the Calendar have been obtained from National and International Organizations which sponsor Aeronautical and Space Meetings and from other sources (journals, periodicals, etc.).

Although care has been taken to ensure that information appearing in the booklet is correct, AGARD cannot be held responsible for an inaccurate entry or omission.

AGARD will be pleased to receive any information about future Aeronautical and Space Meetings for inclusion in the next issue, at least two months in advance of publication. Also, comments regarding the usefulness and suggestions for improvement of this publication would be welcome. Contributions should be sent to:

Scientific Publications Executive AGARD 7, rue Ancelle, 92200 Neuilly-sur-Seine, France

or, for North American residents, to:

APO, New York, N.Y. 09777 Attention: SPE

(Remember to send full information, suitable for inclusion under the various column headings which appear in Part 2 of the Calendar by using the Meeting Forms printed on the last pages of this issue).

Préface

L'objet de cette publication de l'AGARD est de venir en aide aux membres de la Communauté aéronautique et spatiale :

- En les informant de nombreuses manifestations internationales prévues dans les domaines scientifique et technique;
- En leur évitant l'obligation de consulter différentes sources pour déterminer les réunions qui ont été programmées, leurs dates et leur emplacement.

Le Calendrier de l'AGARD est publié tous les six mois, en juin et en décembre de chaque année.

Les renseignements concernant les manifestations mentionnées dans la présente édition du Calendrier ont été fournis par les organismes nationaux et internationaux patronnant des réunions aérospatiales ainsi que par d'autres sources (revues, périodiques, etc.).

Bien qu'il ait pris soin de vérifier la correction des informations figurant dans cette brochure, l'AGARD ne peut être tenu pour responsable d'une inexactitude ou omission éventuelle.

L'AGARD recevra avec plaisir toutes informations relatives à de futures manifestations aérospatiales destinées à être incluses dans la prochaine édition, à condition que cet envoi soit fait au moins deux mois avant la date de publication. De même, les commentaires concernant l'utilité de cette publication et les suggestions pour son amélioration seront les bienvenus. Ces contributions seront adressées à l':

Officier chargé des Publications Scientifiques AGARD 7, rue Ancelle, 92200 Neuilly-sur-Seine, France

ou, pour les lecteurs résidant en Amérique du Nord, à :

APO, New York, N.Y. 09777 Attention: SPE

(Prière d'envoyer des renseignements complets, susceptibles d'être inclus dans les différentes colonnes des tableaux du chapitre 2 de ce Calendrier, en se servant des fiches placées à cet effet in fine).

Instructions for Use

Three kinds of events are covered by this calendar:

Technical Meetings, Conferences, and Symposia, held in all parts of the world, in the field of Aerospace Research and Development as well as in other directly related scientific fields, such as Energy, Geophysics, and Acoustics. These meetings are listed in chronological order under ten Topics (see Part 1).

(Note that meetings of relevance to more than one of the topics 01 to 09 are included in topic 10. Thus topic 10 should always be scanned in addition to those of specific interest.)

- Exhibitions and Technical displays covering the same fields of interest (Topic
- Educational Courses, short or long, given by certain specialized institutions,

For each Meeting, Exhibition, or Course, the following information is given, where known:)

Reference number,

Location (see Country Code in Part 4)

Title and Sponsor

Keywords indicating main topics covered (Part 3)

Contact code for inquiries (see Listing of Organizations in Part 5).

- following the code letters indicates that attendance at the meeting is strictly by invitation.
- x in the left-hand margin indicates a new entry.
- in the left-hand margin indicates an entry the details of which are incomplete or subject to confirmation.

A Subject Index in the form of keywords is given in Part 3, each keyword being followed by the reference numbers of all the meetings relevant to that particular keyword. (For example: "Aeroelasticity 06-23" means that the 23rd meeting listed under Topic 06 "Thermodynamics, Combustion, Propulsion and Energetics" deals with Aeroelasticity).

NOTE: AGARD cannot undertake to handle inquiries from readers concerning the various meetings. These should always be addressed to the contact listed in the last column of each entry.

(25) * acrospace systems, * Space technic (1), Symposia ---

Mode d'Emploi

Trois types de manifestations sont couvertes par ce calendrier:

- Les congrès techniques, conférences et symposiums organisés partout dans le monde dans le domaine de la R & D Aérospatiale, ainsi que dans d'autres domaines scientifiques directement connexes, tels que l'Energie, la Géophysique et l'Acoustique. Ces réunions sont réparties dans l'ordre chronologique en dix rubriques de thèmes (voir Ch. 1).
 - (Veuillez noter que les manifestations dont le programme couvre plusieurs thèmes parmi ceux qui sont indiqués ci-dessus de 01 à 09, sont regroupés sous la rubrique 10 (Thèmes Généraux). Par conséquent, le lecteur devrait toujours consulter la rubrique 10, en plus de celles qui représentent un intérêt particulier pour lui.)
- Les salons et expositions techniques ressortissant aux mêmes domaines d'intérêt (rubrique 11).
- Les cours de formation, de brève ou longue durée, donnés par certaines institutions spécialisées (rubrique 12).

Pour chaque congrès, salon ou cours sont fournis les renseignements ci-après, s'ils sont connus:

Numéro de référence

Dates

Emplacement (voir le Code des pays Ch. 4)

Organisme responsable et titre

Mots-clés identifiant les principaux thèmes concernés (Ch. 3).

Code des organismes à contacter pour tout renseignement (voir la liste Ch. 5)

Le symbole * suivant les lettres du code indique que l'assistance au congrès concerné ne peut se faire strictement que sur invitation.

Le symbole x dans la marge gauche des tableaux indique une nouvelle entrée. Le symbole † dans la marge gauche des tableaux indique une entrée dont le détail est soit incomplet, soit sujet à confirmation.

Un index de sujets présentés sous forme de mots-clés est donné au chapitre 3. chaque mot-clé étant suivi des numéros de référence de toutes les manifestations ayant trait à ce sujet particulier. (Ainsi par exemple « Aero-clasticity 06-23 » signifie que le 23ème congrès figurant dans la rubrique 06 « Thermodynamique, Combustion, Propulsion et Energétique » traite d'Aéro-élasticité).

NOTA l'AGARD ne peut se charger de satisfaire les demandes d'information des lecteurs concernant les différentes manifestations signalées. Il conviendra toujours de contacter l'organisme indiqué dans la dernière colonne de chaque entrée.

Part 1

Topics List

	Page
01 — Aerospace Medicine and Biology	2
02 — Electronics, Optics and Metrology	5
03 — Flight Mechanics	22
04 — Fluid Dynamics and Acoustics	26
05 - Navigation, Guidance and Control	31
06 — Thermodynamics, Combustion, Propulsion and Energetics	35
07 — Structures, Materials and Applied Mechanics	39
08 — Atmospheric Physics and Earth Environment	55
09 - Information, Documentation and Data Processing	58
10 — General (interdisciplinary) and other Topics	67
11 — Exhibitions and Displays	82
12 — Educational Courses	84

Chapitre 1

Liste des Thèmes

	Page
01 — Médecine et Biologie aérospatiales	2
02 — Electronique, Optique et Métrologie	5
03 – Mécanique du Vol	22
04 — Dynamique des Fluides et Acoustique	26
05 — Navigation, Guidage et Pilotage	31
06 — Thermodynamique, Combustion, Propulsion et Energétique	35
07 — Structures, Matériaux et Mécanique appliquée	39
08 — Physique de l'Atmosphère et Environnement terrestre	55
09 — Information, Documentation et Informatique	58
10 — Thèmes généraux (pluridisciplinaires) et divers	67
11 — Salons et Expositions	82
12 — Cours de formation	84

Calendar of Selected Aeronautical and Space Meetings Calendrier des Manifestations Aéronautiques et Spatiales (Sélection) Part 2 — Chapitre 2

	No.	Date	Location	Organization and Title	Key Words	Contact
				01 – AEROSPACE MEDICINE AND BIOLOGY		
				Year 1991		
· · · · · · · · · · · · · · · · · · ·	01-01	24 February— 1 March	San Jose. California (US)	SPIE Conference on Medical Imaging V	Aviation medicine Space medicine Image processing Display devices	SPIE
×	01-02	17 April	London (UK)	RAES Conference on Drug and Alcohol Abuse	Aviation medicine Flight crews Drugs Flight fitness	RAES
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	01-03	5—9 May	Cincinnati, Ohto (US)	ASMA 62nd Annual Scientific Meeting	Aviation medicine Space medicine Physiology Fluman factors Psychology	ASMA

SAE AIAA	WFUMB	ASE	AGARD*	AGARD*	AGARD*
Aircraft systems Spacecraft systems Environmental control Life support systems Systems engineering	Aviation medicine Space medicine Biology Ultrasonics	Life support systems Spacecraft systems Temperature Environmental control	Motion sickness Flight crews Air operations Space operations	Aviation medicine Space medicine Flight fitness Physiology	Motion sickness Flight crews Air operations Space operations
SAE—AIAA—ASMA—ASME Intersociety Conference on Environmental Systems	Copenhagen (DA) WFUMB 6th World Congress on Ultrasound in Medicine and Biology	ASE Symposium on Thermal Control and Life Support Systems	AGARD/AMP Lecture Series 175 on Motion Sickness: Significance in Aerospace Operations and Prophylaxis	AGARD/AMP 72nd Panel Mecting/Symposium on Allergic, Immunological and Infectious Disease Problems in Aerospace Medicine	AGARD/AMP Lecture Series 175 on Motion Sickness: Significance in Aerospace Operations and Prophylaxis
San Francisco, California (US)	Copenhagen (DA)	Turin (IT)	Toronto, Ontario (CA)	Rome (IT)	Athens (GR)
8—10 July	3-6 September	October	7-8 October	14-18 October	24-25 October
01-04	01-05	01-06	01-07	01-08	01-09
		*	×	×	*

01 — AEROSPACE MEDICINE AND BIOLOGY (Cont.)

	No.	Date	Location	Organization and Title	Key Words	Contact
'	01-10	28—29 October	Utrecht (NE)	Year 1991 AGARD/AMP Lecture Series 175 on Motion Sickness: Significance in Aerospace Operations and Prophylaxis	Motion sickness Flight crews Air operations Space operations	AGARD*
	01-11	31 October— 3 November	Lake Buena Vista, Florida (US)	IEEE(EMB) Engineering in Medicine and Biology Society 13th Annual Conference	Aviation medicine Space medicine Biology Engineering design	IBEE
*	01-12	June	Bordeaux (FR)	Year 1992 AAAF Journée de la Biologie et Medecine Spatiales	Space medicine Biology Space environment	AAAF
	01-13	6-10 September	Geneva (CH)	IFIP 7th World Congress on Medical Informatics	Aviation medicine Space medicine Data processing Information systems	IFIP
×	01-14	29 October – I November	Paris (FR)	IEEE (EMB) Conference on Engineering in Medicine and Biology	Aviation Space medicine Biology Engineering design	IEEE

	IFIP	CNES CNRS ISPRS ASE	RIN	SPIE	ASME AIAA
	Integrated circuits Electronic systems Solid state devices Engineei ing design	Remote sensing Measurement techniques Sensors	Airborne radars Ground radars Merine systems Research and development	Optical systems Electro-optics Lasers Fibre optics	Reliability Maintainability Aircraft systems Spacecraft systems Electronic systems
02 – ELECTRONICS, OPTICS AND METROLOGY	rear 1991 IFIP Workshop on Formal Methods in VLSI Design	CNES—CNRS—ISPRS—ASE 5ème Colloque International Mesures Physiques et Signature Spectrale en Télédétection	RIN Meeting Air and Marine Radar Developments	SPIE OE/LASE '91 Optics, Electro-Optics and Laser Applications in Science and Engineering Technical Symposium and Exhibition	IEEE (R)—ASME—AIAA Reliability and Maintainability Symposium
	San Juan (PR)	Courchevel (FR)	London (UK)	Los Angeles, California (US)	Orlando, Florida (US)
	9—11 January	14—18 January	16 January	20—25 January	29—31 January
	02-01	02-03	02-03	02-04	02-05
	×		×		

02 - ELECTRONICS, OPT!CS AND METROLOGY (Cont.)

No.	Date	Location	Organization and Title	Key Words	Contact
			Year 1991		
02-06	6 18-22 February	San Diego, California (US)	OSA Conference on Optical Fibre Communications	Optical communications Fibre optics Optical systems	OSA
02-07	7 20-22 February	Tsukuba (JA)	AIAA—NASDA Joint Earth-Observing Mission Standards Workshop	Remote sensing Surveillance Earth atmosphere Observation satellites	AIAA
02-08	8 24 February— 1 March	San Jose, California (US)	SPIE—SPSE Symposium on Electronic Imaging Science and Technology	Electronic systems Image processing Data processing Research and development	SPIE
02-09	9 26—28 February	Los Angeles, California (US)	IEEE (AES) Winter Convention on Aerospace and Electronic Systems	Electronic systems Avionics Aerospace industry Spacecraft systems	3331
02-10	0 3-8 March	San Jose, California (US)	SPIE Symposium on Microlithography	Integrated circuits Measurement techniques Fabrication processes Electron beams	SPIE

EPS EUROPTICA SPIE	IEEE	ЕТНZ	IEE BCS	RS	IEEE
Optical systems Sensors Measurement techniques Lasers	Airborne radars Ground radars Detection Microwaves Electronic systems	Electromagnetic compatibility Electronic systems Avionics Electromagnetic propagation Radio frequency interference	Radio communications Satellite communications Optical communications Data transmission	Radio communications Optical communications Satellite communications Voice communication	Electronic systems Ground testing Microprocessors Automatic test equipment
EPS—EUROPTICA—SPIE International Congress on Optical Science and Engineering	IEEE (AES) National Radar Conference The Impact of Microelectronics on Radar Systems	ETHZ Symposium on Electromagnetic Compatibility	IEE—BCS 3rd Conference on Telecommunications	RS Discussion Meeting on Communications Technology After 2000 AD	IEEE International Conference on Microelectronic Test Structures
The Hague (NL)	Los Angeles, California (US)	Zurich (CH)	Edinburgh (UK)	London (UK)	Kyoto (JA)
11-15 March	12—13 March	12—14 March	17—20 March	18—19 March	02-16 18-20 March
02-11	02-12	02-13	02-14	02-15	02-16
		×		×	×

02 - ELECTRONICS, OPTICS AND METROLOGY (Cont.)

	ct	~	# P				
	Contact		ASPRS ACSM	SPIE AIAA	IEEE	IEEE	IOP
ont.)	Key Words		Aerial photography Earth resources survey Remote sensing Mapping	Optical systems Electro-optics Sensors Photon beams Remote sensing	Radio communications Satellite communications Electromagnetic propa- gation Data transmission	Electronic systems Electrical systems Solid state devices Reliability	Electronic systems Electrical systems Avionics Static electricity Lightning protection
02 - ELECTRUMICS, OFTICS AND METROLOGY (Cont.)	Organization and Title	Year 1991	ASPRS — ACSM Annual Meeting (Remote sensing)	SPIE—AIAA Technical Symposium on Optical Engineering and Photonics in Aerospace Sensing	IEEE INFOCOM 91	IEEE (ED — R) International Reliability Physics Symposium	IOP Conference on Electrostatics
)a7a — 70	Location		Baltimore, Maryland (US)	Orlando, Florida (US)	Bal Harbour, rlorida (US)	Las Vegas, Nevada (US)	Oxford (UK)
	Даге		24—29 March	1—5 April	7—11 April	8—11 April	10—12 April
	No.		02-17	02-18	02-19	02-20	02-21
,					×		

EE	AGARD*	IEEE OSA	IEEE	AGARD*	IEBE
Antennas Electromagnetic propagation Radio communications	Airborne radar Militaty aircraft Electromagnetic propagation Scattering Performance prediction	Lasers Stimulated emission devices Electro-optics	Integrated circuits Engineering design Solid state devices Electronic systems	Avionics Aircraft systems Artificial intelligence Electronic computers	Signal processing Voice communication Acoustic propagation Electronic systems
IEE 7th International Conference on Antennas and Propagation	AGARD/EPP 48th Panel Mecting/Symposium on Target and Clutter Scattering and their Effects on Military Radar Performance	IEEE(LEOS)—OSA CLEO—QELS'91	IEEE(ED) Conference on Custom Integrated Circuits	AGARD/AVP 61st Panel Meeting/Symposium on Machine Intelligence for Avionics Systems	IEEE International Conference on Acoustics, Speech and Signal Processing
York (UK)	Montreal, Quebec (CA)	Baltimore, Maryland (US)	San Diego, California (US)	Lisbon (PO)	Toronto, Ontario (US)
14—18 Aprıl	6—10 May	12—17 May	13—15 May	13—17 May	14—17 May
02-22	02-23	02-24	02-25	02-26	02-27
	±×	×		‡ x	×

02 - ELECTRONICS, OPTICS AND METROLOGY (Cont.)

L	 - -					
	No.	Баге	Location	Organization and Title	Key Words	Contact
				Year 1991		
×	02-28	15 Ma ₃	London (UK)	RAES Conference on Mobile Communications	Radio communications Electromagnetic propagation Data transmission	RAES
<u> </u>	02-29	20—24 May	Dayton, Ohio (US)	IEEE (AES) National Aerospace and Electronics Conference	Electronic systems Avionics Aerospace industry Spacecraft systems	1666
	02-30	22—24 May	Ljubljana (YU)	IEEE—MELECON 91 Mediterranean Electrotechnical Conference	Electrical systems Engineering design Electronic systems Spacecraft systems Aircraft systems	IEEE MELECON
×	02-31	28—31 May	Nanjing (CN)	INTELSAT Symposium on Global Satellite Communications	Satellite communications Radio communications Electromagnetic propagation	INTELSAT
	02-32	29—31 May	Rotterdam (NL)	ISHM 8th European Hybrid Microelectronics Conference	Electronic systems Integrated circuits Solid state devices Engineering design	ІЅНМ

IEEE	1866	IBBE	AGARD*	SPIE
Radio communications Satellite communications Optical communications Electromagnetic propagation	Microwaves Integrated circuits Electronic systems Solid state devices	Microwaves Airborne radars Ground radars Electromagnetic propagation Radio communications	Electromagnetic compatibility Radio frequency interference Electromagnetic propagation Avionics	Lasers Electro-optics Microwaves Stimulated emission devices
IEEE (CS) International Conference on Communications	IEEE (MTT) Microwave and Millimetre Wave Monolithic Circuits Symposium	IEEE (MTT) International Microwave Symposium	AGARD/EPP Lecture Series 177 on Electromagnetic Interference and Electromagnetic Compatibility	SPIE LASER '91 (Optoelectronics, Microwaves) 10th International Trade Fair and International Congress
Hamburg (GE)	Boston, Massachusetts (US)	Boston, Massachusetts (US)	Kjeller (NO)	Munich (GE)
June	9—10 June	9—14 June	02-36 10—11 June	02—37 10—14 June
02-33	02-34	02-35	02-36	02—37
+-	×		x	×

02 - ELECTRONICS, OPTICS AND METROLOGY (Cont.)

L				or - Erroman, of they amended (colle.)	, OHI.)	
	No.	Date	Location	Organization and Title	Key Words	Contact
				Year 1991		
×	02-38	11—14 June	Singapore (SG)	IEEE International Symposium on Circuits and Systems	Electronic systems Integrated circuits Research and development	9991
 	02-39	13—14 June	Koenigswinter (GE)	AGARD/EPP Lecture Series 177 on Electromagnetic Interference and Electromagnetic Compatibility	Electromagnetic compatibility Radio frequency interference Electromagnetic propagation Avionics	AGARD*
	02-40	17—18 June	Lisbon (PO)	AGARD/EPP Lecture Series 177 on Electromagnetic Interference and Electromagnetic Compatibility	Electromagnetic compatibility Radio frequency unterference Electromagnetic propagation Avionics	AGARD*
×	02-41	18-20 June	Los Angeles, California (US)	SAMPE 5th International Conference on Electronic Materials and Processes	Electronic systems Semiconductors Fabrication processes Materials	SAMPE

IGI	IEEE	IEEE URSI	IEEE UCB	N D	16.6
Fibre optics Optical communications Data transmission Electro-optics	Radio communications Satellite communications Avionics Electromagnetic propagation	Antennas Electromagnetic propagation Radio communications	Solid state devices Sensors Actuators	Semiconductors Fabrication processes Vapour phases	Radio communications High frequencies Electronic systems Electromagnetic propagation
IGI 9th Annuel European Fibre Optic Communications and Local Area Network Conference	IEEE (COM) International Conference on Communications	IEEE (AP)—URSI International Symposium on Antennas and Propagation	IEEE (ED)—UCB International Conference on Solid-State Sensors and Actuators	UN 7th International Conference on Vapour Growth and Epitaxy	IEE 5th International Conference on HF Radio Systems and Techniques
London (UK)	Denver, Colorado (US)	London, Ontario (CA)	San Francisco, California (US)	Nagoya (JA)	Edinburgh (UK)
02-42 19—21 June	23—26 June	23—27 June	24—28 June	15-17 July	21—24 July
	02-43	02-44	02-45	02-46	02-47
×				×	×

02 - ELECTRONICS, OPTICS AND METROLOGY (Cont.)

L_	No.	Date	Location	On Openization and Title	1	
		3.11.2	Location	כו למווילמווטון מנומ דוונה	ney words	Contact
				Year 1991		
	02-48	21—26 July	San Diego, California (US)	SPIE 36th Annual International Technical Symposium on Optical and Optoelectronic Applied Science and Engineering	Optical systems Electro-optics Image processing Photography	SPIE
	02-49	13—15 August	Cherry Hill, New Jersey (US)	IEEE (EMC) International Symposium on Electromagnetic Compatibility	Electronic systems Avionics Electromagnetic compatibility Electromagnetic propagation Radio fi equency interference	1555
	02-50	20—22 August	Edinburgh (UK)	IFIP VLSI '91	Integrated circuits Electronic systems Solid state devices Fabrication processes	IFIP
×	02-51	28–30 August	Yokohama (JA)	BCAS International Conference on Solid State Devices and Materials	Solid state devices Materials Semiconductors Fabrication processes	BCAS
×	02-52	2-6 September	Loughborough (UK)	IEE 6th International Conference on Digital Processing of Signals in Communications	Signal processing Digital systems Radio communications	991

ASE	VDE	ę.	SPIE	ASPRS ACSM	BCAS SPIE
Electronic systems Power sources Engineering design Spacecraft systems	Microwaves Ground radars Airborne radars Electromagnetic propagation Radio communications	Electron microscopy IOP Instruments Measurement techniques Electro-optics Optical microscopy	Electronic systems Image processing Data processing Integrated data systems	Aerial photography AS Earth resources survey AC Remote sensing Mapping	Optical systems BC Databases SP Data processing Electro-optics
ASE 4th European Conference on Power Electronics and Applications	VDE 21st European Microwave Conference	IOP Biennial Conference on Advances in Instrumentation and Techniques for Electron and Other Microscopies	SPIE Symposium on Microelectronic Interconnect and Integration Processing	ASPRS — ACSM Fall Technical Meeting (Mapping remote sensing)	BCAS—SPIE International Symposium on Optical Memory
Florence (IT)	Stuttgart (GE)	Bristol (UK)	San Jose, California (US)	Portland, Oregon (US)	Hokkaido (JA)
3-6 September	9-12 September	10—13 September	15-20 September	17—21 September Portland, Oregon (US)	1-4 October
02-53	02-54	02-55	02-56	02-57	02-58
×		×	×		×

02 - ELECTRONICS, OPTICS AND METROLOGY (Cont.)

	Contact		1666	SPIE	AGARD*	HUST	AGARD*
Ont.)	Key Words		Electrical systems Electronic systems Electric contacts Reliability	Optical systems Optical properties Optical communications Image processing	Remote sensing Electromagnetic propagation Ionosphere	Fibre optics Sensors Optical systems	Avionics Aircraft systems Logistics Management
ELECTROMICS, OF INC. AND INETRODUCT (COME.)	Organization and Title	Year 1991	(EEE 37th Conference on Electrical Contacts	SPIE Symposium on Advanced Optics and Imaging	AGARD/EPP 49th Panel Mecting/Symposium on Remote Sensing of the Propagation Environment	HUST 1st International Conference on Optical Fibre Sensors	AGARD/AVP Lecture Series 176 on The Conflicting Forces Driving Future Avionics Acquisitions
777 — 70	Location		Chicago, Illinois (US)	Rochester, New York (US)	Çeşme (TU)	Wuhan (CN)	Dayton, Ohio (US)
	Date		6-9 October	6—11 October	7—11 October	9—11 October	16—17 October
	No.		02-59	02-60	02-61	02-62	02-63
6				×	x	×	×

3331	SPIE	OSA	AGARD*	9991	AGARD*
Radio communications Satellite communications Optical communications Electromagnetic propagation	Electronic systems Integrated circuits Fabrication processes Solid state devices	Optical systems Optical properties Optical communications Lasers	Avronics Aircraft systems Logistics Management	Radio communications Satellite communications Power sources Energy conversion	Avionics Aircraft systems Logistics Management
McLean, Virginia IEEE (COM) Conference on Military (US)	SPIE Symposium on Microelectronic Processing Integration	OSA Annual Meeting and Exhibition	AGARD/AVP Lecture Series 176 on The Conflicting Forces Driving Future Avionics Acquisitions	IEEE (COM) International Conference on Telecommunications Energy	AGARD/AVP Lecture Series 176 on The Conflicting Forces Driving Future Avionics Acquisitions
McLean, Virginia (US)	West Coast (US)	San Jose, California (US)	London (UK)	Kyoto (JA)	Madrid (SP)
02-64 20-23 October	November	3—8 November	4—5 November	5—8 November	7—8 November
02-64	02-65	02-66	02-67	02-68	02-69
×	+		×	×	*

02 - ELECTRONICS, OPTICS AND METROLOGY (Cont.)

_					,	
Contact		SPIE	IEEE	SPIE	IEEE	IEEE
Key Words		Optical communications Television Image processing Electro-optics	Radio communications Satellite communications Optical communications Data transmission	Electro-optics Research and development Optical systems Engineering design	Acoustic propagation Signal processing Voice communication Electronic systems	Integrated circuits Electronic systems Solid state devices Engineering design
Organization and Title	Year 1991	SPIE Conference on Visual Communications and Image Processing	IEEE Conference on Global Communications	SPIE Conference on Emerging Optoelectronic Technologies	Year 1992 IEEE (SP) International Conference on Acoustics, Speech and Signal Processing	IEEE(ED) Conference on Custom Integrated Circuits
Location		Boston, Massachusetts (US)	Phoenix, Arizona (US)	Bangalore (IN)	San Francisco, California (US)	Boston, Massachusetts (US)
Date		10—13 November	2-5 December	16–20 December	23—26 March	3—6 May
No.		02-70	02-71	02-72	02-73	02-74
		×	×	×	×	×

	SAT				
1555	INTELSAT	ISPRS	IEEE	3331	IFAC
Electronic systems Avionics Aerospace industry Spacecraft systems	Satellite communications Radio communications Digital systems Data transmission	Remote sensing Image processing Electro-optics Photography Measurement techniques	Microwaves Radio communications Electromagnetic propagation Airborne radars Ground radars	Radio communications Satellite communications Optical communications Electromagnetic propagation	Signal processing Automatic control Electronic systems Electrical systems
IEEE (AES) National Aerospace and Electronics Conference	INTELSAT 9th International Conference on Digital Satellite Communications	ISPRS 17th Quadrennial Congress (Remote sensing, photogrammetry)	IEEF 'MTT) International Symposium on Microwaves	IEEE (COM) International Conference on Communications	IFAC Symposium on Adaptive Control and Signal Processing
Dayton, Ohio (US)	Copenhagen (DA)	Madrid (SP)	Albuquerque, New Mexico (US)	Chicago, Illinois (US)	Grenoble (FR)
02-75 18—22 May	18—22 May	18—31 May	2—4 June	14—17 June	1—3 July
02-75	02-76	02-77	02-78	02-79	02-80

02 - ELECTRONICS, OPTICS AND METROLOGY (Cont.)

		7				T		
	Contact		IEEE URSI	TTN	IEICEJ		IEEE ASME AIAA	IFIP
Out.	Key Words		Antennas Electromagnetic propagation Radio comnunications	Antennas Electromagnetic propagation Radio communications	Switching Electrical systems Electronic systems Radio communications		Reliability Maintainability Aircraft systems Spacceraft systems Electronic systems	Data transmission Electronic computers Information systems Radio communications
ELECTROLICE, OF TICE AND INETWOLOGY (COIII.)	Organization and Title	Year 1992	IEEE (AP)—URSI International Symposium on Antennas and Propagation	NTT International Symposium on Antennas and Propagation	IEICEJ 14th International Switching Symposium	Year 1993	IEEE(R)—AIAA—ASME Reliability and Maintainability Symposium	IFIP International Conference on Data Communications
	Location		Chicago, Illineıs (US)	Sapporo (JA)	Yokohama (JA)		Atlanta, Georgia (US)	Johannesburg (SA)
	Date		18-25 July	22—25 September Sapporo (JA)	26—30 October		26—28 January	March
	No.		02-81	02-82	02-83		02-84	02-85
)				×				*

IEEE	IEEE	IEEE	IEEE	IEEE URSI	IFIP
Integrated cir., uits Electronic s stems Solid state devices Engineer ng design	Radio communications Satellite communications Optic al communications Elect omagnetic prc pagation	Electronic systems Avionics Aerospave industry Spacecrat systems	Microwaves Radio communica. ns Ground radars Airborne radars	Antennas Radio communications Electromagnetic propagation	Integrated circuits Solid state devices Electronic systems Fabrication processes
IEEE (ED) Custom Integrated Circuits Conference	IEEE (COM) International Conference on Communications	IEEE (AES) National Aerospace and Electronics Conference	IEEE (MTT) International Microwave Symposium	IEEE (AP)—URSI International Symposium on Antennas and Propagation	IFIP VLSI '93
San Diego, California (US)	Geneva (CH)	Dayton, Ohio (US)	Atlanta, Georgia (US)	Ann Arbor, Michigan (US)	Grenoble (FR)
02-86 9—12 May	23—26 May	24—28 May	15-17 June	28 June— 2 July	August
02-86	02-87	02-88	02-89	05-90	02-91
×	×	· · · · · · · · · · · · · · · · · · ·	×	×	+-

03 - FLIGHT MECHANICS

Location Organization and Title Key Words Contact	03 - FLIGHT MECHANICS	Year 1991	Houston, Texas AAS—AIAA Spaceflight Mechanics Meeting Spacecraft AAS (US) Flight control AIAA Flight characteristics	Rhode-St-Genèse VKI Lecture Series on Aircraft Dynamics at High Aircraft aerodynamics VKI* (BE) Angles of Attack Wind tunnels Ground testing	Toulouse (FR) AGARD/FDP 68th Panel Meeting/Specialists Aircraft aerodynamics Meetings on Effects of Adverse Weather on Aerodynamics and Aerodynamics for Enhancement Flight characteristics of Fighter Manoeuvrability Handling qualities Meteorology	London (UK) RAES Conference on Flight Simulation – Flight simulators RAES European Opportunities
	03 – FLIGHT	Year				
Date Lo			11-13 February	22—26 April	29 April— 3 May	1-2 May
No.		الإيران والمراجعة المراجعة	03-01	03-02	03-03	03-04
			×	×	x̄	×

VKI*	AGARD*	AIAA DGLR	AIAA	AIAA	ASE
Aircraft aerodynamics Aircraft Engineering design Mathematics Computer simulation	Aircraft Air operations Marine systems Aircraft aerodynamics	Aeroelasticity Aircraft structures Dynamic loads Aircraft aerodynamics Aerodynamic loads	Aircraft aerodynamics Spacecraft aerodynamics Flight characteristics Flight control	Flight simulators Flight control Flight characteristics Computer simulation	Spacecraft Flight characteristics Dynamic loads Dynamic stability
VKI Lecture Series on Engineering Methods in Aerodynamic Analysis and Design of Aircraft	AGARD/FMP 78th Panel Meeting/Symposium on Aircraft/Ship Operations	DGLR—AIAA International Forum on Aeroelasticity and Structural Dynamics	AIAA Conference on Atmospheric Flight Mechanics	AIAA Flight Simulation Technologies Conference and Exhibition	ASE 3rd International Symposium on Spacecraft Flight Dynamics
Rhode-St-Genèse (BE)	Seville (SP)	Aachen (GE)	New Orleans, Louisiana (US)	New Orleans, Louisiana (US)	Darmstadt (GE)
03-05 13-17 May	20—24 May	3—6 June	12—14 August	12—14 August	30 September – 4 October
03-05	03-06	03-07	03-08	03-09	03-10
×	大 大	×	*	×	×

03 - FLIGHT MECHANICS (Cont.)

					
Соптаст	AGARD*	AGARD*	AGARD*	AGARD*	AGARD*
Key Words	Aircraft aerodynamics Gas turbine engines Aircraft structures Internal aerodynamics	Flight simulators Human factors Performance prediction Flight control	Helicopters Aircraft systems Aircraft aerodynamics Flight characteristics	Helicopters Aircraft systems Aircraft aerodynamics Flight characteristics	Helicopters Aircraft systems Aircraft aerodynamics Flight characteristics
Organization and Title	Year 1991 AGARD/FDP 69th Panel Meeting/Symposium on Aerodynamic Engine/Airframe Integration	AGARD/FMP 79th Panel Meeting/Symposium on Piloted Simulation Effectiveness	AGARD/FMP Lecture Series 178 on Rotorcraft System Identification	AGARD/FMP Lecture Series 178 on Rotorcraft System Identification	AGARD/FMP Lecture Series 178 on Rotorcraft System Identification
Location	Fort Worth, Texas (US)	Brussels (BE)	Munich (GE)	Rome (IT)	College Park, Maryland (UK)
Date	7—11 October	14-18 October	4—5 November	7—8 November	1314 November College Park, Maryland (UK)
No.	03-11	03-12	03-13	03-14	03-15
	x	*	¥	¥	⇟

AIAA		
Aircraft aerodynamics Spacecraft aerodynamics Flight characteristics Flight control		
Year 1992 AIAA Conference on Atmospheric Flight Mechanics		
Orlando, Florida (US)		
August		
03-16		
*		

04 - FLUID DYNAMICS AND ACOUSTICS

No.	Date	Location	Organization and Title 04 — FLUID DYNAMICS AND ACOUSTICS Year 1991	Key Words	Соптаст
3 January	uary	London (UK)	RAES Conference on Current Aerodynamic Research	Aircraft aerodynamics Spacecraft aerodynamics Gas dynamics Research and development	RAES
4	14-18 January	Rhode-St-Genèse (BE)	VKI Lecture Series Introduction to Computational Fluid Dynamics	Fluid mechanics Gas dynamics Mathematics Numerical anaiysis	VKI
15-	15—17 January	Aussois (FR)	EUROMECH 272 Response of Shear Flows to Imposed Unsteadiness	Unsteady flow Fluid mechanics Gas dynamics	ЕUROMECH
28 Ja	28 January — I February	Rhode-St-Genèse (BE)	VKI Lecture Series on New Approaches in the Description and Modelling of Turbulence	Turbulent flow Gas dynamics Mathematical models Fluid mechanics	VKI

DGLR AIAA	VKI	VKI	VKI	VKI	ЕURОМЕСН
Acoustic propagation Aircraft aerodynamics Gas dynamics Noise reduction Aircraft noise	Fluid mechanics Gas dynamics Mathematical models Numerical analysis	Boundary layers Internal aerodynamics Turbines Gas turbine engines Mathematical models	Turbulent flow Gas dynamics Mathematical models Fluid mechanics	Fluid mechanics Gas dynamics Measurement techniques Instruments	Inviscid flow Viscous flow Internal aerodynamics Gas dynamics
DGLR—AIAA 14th Aeroacoustics Conference	VKI Lecture Series on Computational Fluid Dynamics	VKJ Lecture Series on Boundary Layers in Turbomachines	VKI Lecture Series Introduction to the Modelling of Turbulence	VKI Lecture Series on Measurement Techniques	EUROMECH 274 Internal High Speed Flows with Viscous/Inviscid Interactions
Aachen (GE)	Rhode-St-Genèse (BE)	Rhode-St-Genèse (BE)	Rhode-Sr-Genèse (BE)	Rhode-St-Genèse (BE)	Prague (CZ)
11—15 February	18—22 February	4—8 March	18—22 March	8—12 April	8—12 April
04-05	04-06	04-07	04-08	04-09	04-10
×	×	×	×	×	×

04 - FLUID DYNAMICS AND ACOUSTICS (Cont.)

	No.	Date	Location	Organization and Title	Key Words	Contact
				Year 1991		
×	04-11	9—12 Aprıl	Cambridge (UK)	RAES International Conference on Boundary Layer Transition and Control	Boundary layers Aircraft aerodynamics Transitional flow	RAES
×	04-12	28—30 May	Noordwijk (NL)	ASE—AAAF—CNES—DGLR—DLR 1st European Symposium on Aerothermodynamics for Space Vehicles	Spacecraft aerodynamics Thermodynamics Internal aerodynamics Spacecraft propulsion DGLR DLR	ASE(ESA) AAAF CNES DGLR DLR
×	04-13	10—14 June	Rhode-St-Genèse (BE)	VKI Lecture Series on Laser Vefocimetry	Fluid mechanics Gas dynamics Measurement techniques Lasers	VKI
×	04-14	24—26 June	Honolulu, Hawaii (US)	AIAA 10th Computational Fluid Dynamics Conference	Fluid mechanics Numerical analysis Mathematics Computer simulation	AIAA
+-	04-15	24—26 June	Honolulu, Hawaii (US)	AIAA 22nd Fluid and Plasmadynamics Conference	Fluid mechanics Gas dynamics Plasmas Magnetohydrodynamics	AIAA
×	04-16	2—4 July	Delft (NL)	EUROMECH 279 Image Analysis as Measuring Technique in Flows	Fluid mechanics Measurement techniques Image processing	ЕОКОМЕСН

IFS	VKI	ЕURОМЕСН	AIAA	ВАММ	АНЅ	
Shock waves Gas dynamics Aircraft aerodynamics Spacecraft aerodynamics	Fluid mechanics Gas dynamics Computer graphics Flow visualization Mathematics	Fluid mechanics Numerical analysis Research and development	Aircraft aerodynamics Spacecraft aerodynamics Internal aerodynamics Gas dynamics	Fluid mechanics Numerical analysis Mathematics	Helicopters Aircraft aerodynamics Acoustic propagation Aircraft noise	
IFS 18th International Symposium on Shock Waves	VKI Lecture Series on Computer Graphics and Flow Visualization in Computational Fluid Dynamics	EUROMECH 1st European Fluid Mechanics Conference	AIAA 9th Applied Aerodynamics Conference	GAMM 9th Conference on Numerical Methods in Fluid Mechanics	AHS Mid East Region Specialists' Meeting on Rotorcraft Acoustics/Fluid Dynamics	
Sendai (JA)	Rhode-St-Genèse (BE)	Cambridge (UK)	Baltimore, Maryland (US)	Lausanne (CH)	Philadelphia, Pennsylvania (US)	
04-17 21-26 July	16—20 September Rhode-St-Genèse (BE)	16—20 September	23—26 September Baltimore, Maryland (US)	25–27 September Lausanne (CH)	15-16 October	
04-17	04-18	04-19	04-20	04-21	04-22	
×	×	×	×	×	×	20

04 - FLUID DYNAMICS AND ACOUSTICS (Cont.)

_	No	Data	Location	Ouranization and Title		, control
i	740.	Date	Location	Organization and 1 title	ney words	Contact
				Year 1992		
×	04-23	11—15 May	Aachen (GE)	DGLR—AIAA Aeroacoustics Conference	Acoustic propagation Aircraft aerodynamics Gas dynamics Noise reduction Aircraft noise	DGLR AlAA
×	04-24	15—18 June	Los Angeles, California (US)	AIAA—ASME National Fluid Dynamics Congress	Fluid mechanics Gas dynamics Aircraft aerodynamics Spacecraft aerodynamics	AIAA ASME
*	04-25	August	Seattle, Washington (US)	AIAA 7th International Symposium on Flow Visualization	Gas dynamics Fluid mechanics Measurement techniques Flow visualization	AIAA

**************************************				05 – NAVIGATION, GUIDANCE AND CONTROL		
				Year 1991		
×	05-01	12 February	London (UK)	RIN—RAES Joint Meeting The European Navigation Scene in the 1990's	Navigation Aircraft systems Spacecraft systems Research and development	RAES
×	05-02	21 March	London (UK)	RAES Conference on Fibre Optic Techniques in Guided Flight	Fibre optics Guidance Aircraft systems Flight control	RAES
	05-03	25—28 March	Edinburgh (UK)	IEE International Conference Control '91	Automatic control Electrical systems Electronic systems Systems engineering	16E
×	05-04	17 April	London (UK)	IME—RAES Seminar on Technology of Inertial Sensors and Systems	Inertial systems Sensors Aircraft systems Navigation	IME RAES
*	05-05	6—10 May	Thessalonika (GR)	AGARD/GCP 52nd Panel Meeting/Symposium on Software for Guidance and Control	Guidance Automatic control Software Aircraft systems Spacecraft systems	AGARD*

05 - NAVIGATION, GUIDANCE AND CONTROL (Cont.)

		7					
	Contact		ASE	ISA IFAC	CEC	IFAC	AIAA
ont.)	Key Words		Spacecraft Navigation Attitude Spacecraft systems Automatic control	Automatic control Electrical systems Electronic systems Systems engineering	Automatic control Electrical systems Electronic systems Systems engineering	Automatic control Spacecraft Spacecraft systems Flight control Command and control	Guidance Navigation Flight control Aircraft systems Spacecraft systems
CONTROL (COURT)	Organization and Title	Year 1991	ASE Symposium on Attitude and Orbit Control Systems	ISA—IFAC Meeting on Automatic Control Systems	CNES—CEC European Control Conference	IFAC 12th Symposium on Automatic Control in Aerospace: Intelligent Autonomous Vehicle	AIAA Conference on Guidance, Navigation and Control
	Location		Noordwijk (NL)	Boston, Massachusetts (US)	Grenoble (FR)	Southampton (UK)	New Orleans, Louisiana (US)
	Date		June	26-28 June	2—5 July	19—23 July	12-14 August
	No.		05-06	05-07	05-08	05-09	05-10
_			*	×	×		×

×	05-11	05-11 12-16 August	Arlington, Virginia (US)	IEEE(CS) 6th International Symposium on Intelligent Control	Automatic control Artificial intelligence Electronic computers	IEEE
	05-12	16—18 September Vienna (AU)	Vienna (AU)	IFAC—IMACS—IFIP Symposium on Robot Control	Automatic control Electronic computers Sensors Robotics	IFAC IMACS IFIP
*	05-13	10-11 October	Monterey, Califorma (US)	AGARD/GCP Lecture Series 179 on Artifical Neural Network Approaches in Guidance and Control	Guidance Automatic control Network analysis Aircraft systems Spacecraft systems	AGARD*
*	05-14	14-15 October	Kjeller (NO)	AGARD/GCP Lecture Series 179 on Artificial Neural Network Approaches in Guidance and Control	Guidance Automatic control Network analysis Aircraft systems Spacecraft systems	AGARD*
*	05-15	17–18 October	Neubiberg (GE)	AGARD/GCP Lecture Series 179 on Artificial Neural Network Approaches in Guidance and Control	Guidance Automatic control Network analysis Aircraft systems Spacecraft systems	AGARD*
×	05-16	4-8 November	London (UK)	RIN Semmar, Conference and Exhibition on Satellite Navigation	Navigation Spacecraft Navigation satellites Positioning	Z

05 - NAVIGATION, GUIDANCE AND CONTROL (Cont.)

L	No.	Date	Location	on Organization and Title	Key Words	Contact
× ×	05-17	11-13 December	Brighton (UK)	Year 1991 IEEE(CS) Conference on Decision and Control	Decision-making Command and control Electronic computers	1EEE
×	05-18	15-17 December	Tucson, Arizona (US)	Year 1992 IEEE(CS) Conference on Decision and Control	Decision-making Command and control Electronic computers	IEEE
	05-19	August	Sydney (OS)	Year 1993 IFAC 12th Triennial Congress	Automatic control Electrical systems Electronic systems Systems engineering	IFAC

		DOE NASA AICHE	IPSS	CEC	SEE AlAA	ALENCA es
		Nuclear energy Power sources Spacecraft propulsion Spacecraft systems	Fuel cells Solar cells Thermoelectric generators Power sources Energy conversion	Solar energy Power sources Energy conversion Solar cells	Power sources Energy conversion Space environment Solar energy	Thermal analysis Thermodynamics Heat transfer Measurement techniques
06 – THERMODYNAMICS, COMBUSTION, PROPULSION AND ENERGETICS	Year 1991	DOE—NASA—AICHE 8th Symposium on Space Nuclear Power Systems	IPSS 17th International Power Sources Symposium	CEC 10th European Conference and Exhibition on Photovoltaic Solar Energy	SEE—AIAA 2nd International Symposium on Power from Space	ALENCA 8th World Conference on Thermal Analysis
		Albuquerque, New Mexico (US)	Bournemouth (UK)	Lisbon (PO)	Pans (FR)	Baden (AU)
		7—10 January	8—11 April	8—12 April	11–13 April	20—21 May
		06-01	06-02	06-03	06-04	90-90
		×		×		

06 - THERMODYNAMICS, COMBUSTION, PROPULSION AND ENERGETICS (Cont.)

No.	Date	Location	Organization and Title	Key Words	Contact
			Year 1991		
	27—31 May	San Antonio, Texas (US)	AGARD/PEP 77th Panel Meeting/Symposium on CFD Techniques for Propulsion Applications	Aircraft propulsion Internal aerodynamics Aircraft aerodynamics Numerical analysis Gas turbine engines	AGARD*
06-07	3—6 June	Orlando, Florida (US)	ASME 36th International Gas Turbine and Aeroengine Congress and Exposition	Gas turbine engines Aircraft propulsion Aircraft systems Engineering design	ASME
80-90	20—21 Junc	Paris (FR)	AAAF Forum Européen sur la Propulsion Aéronautique	Aircraft propulsion Gas turbine engines Piston engines Engineering design	AAAF
60-90	24—26 June	Honolulu, Hawaii (US)	AIAA 26th Thermophysics Conference	Thermodynamics Thermal analysis Thermal radiation Heat transfer	AIAA
06-10	24—26 Junc	Sacramento, California (US)	AIAA — SAE — ASME 27th Propulsion Conference and Exhibition	Aircraft propulsion Missile propulsion Spacecraft propulsion Gas turbine engines Rocket engines	AIAA SAE

	UNSW	IEEE AICHE	ES	ES	m	ASME
	ies		ASES	ion RAES	ASE alsion on	
	Heat transfer Mass transfer Thermodynamics Transport properties	Energy conversion Power sources Aircraft propulsion Spacecraft propulsion Solar energy	Solar energy Power sources Energy conversion Solar cells	Aircraft propulsion Gas turbine engines Piston engines Engines	Power sources Spacecraft propulsion Solar energy Energy conversion	Gas turbine engines Aircraft propulsion Engineering design
	UNSW 4th International Symposium on Transport Phenomena, Heat and Mass Transfer	IEEE(ED)—AICHE—ACS—ASME 26th Intersociety Energy Conversion Engineering Conference	ASES Biennial Congress on Solar Energy for the 21st Century	RAES 10th International Symposium on Air-Breathing Engines	ASE European Space Power Conference	Year 1992 ASME—IGTI 37th International Gas Turbine and Aeroengine Congress and Exposition
	Sydney (OS)	Boston, Massachusetts (US)	Denver, Colorado (US)	Nottingham (UK)	Florence (IT)	Cologne (GE)
	15—19 July	3—9 August	17—24 August	2-6 September	2—6 September	1—4 June
	06-11	06-12	06-13	06-14	06-15	06-16
•	×			×	×	×

06 - THERMODYNAMICS, COMBUSTION, PROPULSION AND ENERGETICS (Cont.)

- 1					
	Contact		AIAA	AIAA SAE ASME	SAE
MENGETICS (COIII.)	Key Words		Thermodynamics Thermal analysis Thermal radiation Heat transfer	Aircraft propulsion Missile propulsion Spacecraft propulsion Gas turbine engines Rocket engines	Energy conversion Power sources Aircraft propulsion Spacecraft propulsion Solar energy
HIEMMOD HARMICS, COMBOSHON, FACE CLSION AND ENERGEINCS (COIII.)	Organization and Title	Year 1992	AIAA 27th Thermophysics Conference	AIAA—ASME—SAE—ASEE 28th Joint Propulsion Conference and Exhibition	SAE—ACS 27th Intersociety Energy Conversion Engineering Conference
TIME TO THE PRINT	Location		Nashville, Tennessee (US)	Nashville, Tennessee (US)	San Diego, Calıfornia (US)
111	Баге		6-8 July	6—8 July	3—7 August
	No.		06-17	81-90	61-90
٠			×		

	SME	NYSU	NACE	NASA	IUPAC RACI
	Composite materials Fabrication processes Engineering design Mechanical properties	Polymers Research and development Mechanical properties Fabrication processes	Concrete Runways Protective coatings Surface properties	Aircraft structures Spacecraft structures Structural loads Numerical analysis	Materials Plastics Polymers Mechanical properties Fabrication processes
07 – STRUCTURES, MATERIALS AND APPLIED MECHANICS Year 1991	SME Conference and Exposition on Composites in Manufacturing	NYSU 1st International Conference on Frontiers of Polymer Research and Industrial Exhibition on Emerging New Technologies	NACE Concrete: Surface Preparation, Coatings and Linings, and Inspection Techniques Symposium	NASA Meeting on Parallel Methods on Large- Scale Structural Analysis and Physics Applications	IUPAC—RACI International Symposium on Polymer Materials — Preparation, Characterization and Properties
	Anahem, California (US)	New Delhi (IN)	Houston, Texas (US)	Hampton, Virginia (US)	Melbourne (OS)
	7—10 January	20—25 January	28—30 January	5-6 February	10–15 February
	07-01	07-02	07-03	07-04	07-05
		×		×	

07 - STRUCTURES, MATERIALS AND APPLIED MECHANICS (Cont.)

<u></u>	No.	Date	Location	Location Organization and Title Key W	Key Words	Contact
<u></u>				Year 1991		
×	07-06	11—15 March	Cincinnati, Ohio (US)	NACE CORROSION 91 including Symposium on Corrosion of Materials in Nuclear Systems and Symposium on Corrosion Measurement Techniques	Corrosion Measurement techniques Materials Nuclear energy Power sources	NACE
×	07-07	11—15 March	Cincinnati, Ohio (US)	NACE Symposium on Structural Materials and Protective Systems for Military and Aerospace Applications	Aircraft structures Spacecraft structures Materials Corrosion Protective coatings	NACE
~	07-08	11—15 March	Cincinnati, Ohio (US)	NACE Symposium on Aging Aircraft: Commercial and Military Initiatives	Aircraft structure Military aircraft Corrosion Fatigue	NACE
×	07-09	18—22 March	Oakland, California (US)	ASNT Spring Conference on Nondestructive Characterization for Advanced Technologies	Materials Nondestructive testing Quality assurance Mechanical properties	ASNT
×	07-10	20 March	London (UK)	PRI Conference on Noise and Vibration Control with Rubber	Rubber Noise reduction Vibration Enginecring design	PRI

×	07-11	25-27 March	Manchester (UK)	PRI 1st International Conference on Deformation and Fracture of Composites	Composite materials Deformation Fracture toughness Failure analysis	PRI
~	07-12	8-10 April	Baltumore, Maryland (US)	AIAA—ASME—ASCE—AHS 32nd Conference on Structures, Structural Dynamics and Materials	Aucraft structures Spacecraft structures Dynamic loads Materials	AIAA ASME ASCE AHS
×	07-13	8—11 April	Cambridge (UK)	PRI 8th International Conference on Deformation, Yield and Fracture of Polymers	Polymers Deformation Fracture toughness Toughened plastics Fatigue	PRI
	07-14	15–17 April	Stratford-upon- Avon (UK)	IOP International Conference on Frontiers of Tribology	Tribology Materials Mechanical properties Lubrication systems Surface properties	IOP
~	07-15	15–17 April	Blacksburg. Virginia (US)	NASA—AIAA—AHS—INCE Conterence on Recent Advances in Active Control of Sound and Vibration	Airciaft structures Helicopters Noise reduction Vibiation	NASA AHS AIAA INCE
11	07-16	15—18 April	San Diego. Califorma (US)	SAMPE 36th International Symposium and Exhibition on Materials and Process Engineering	Materials Fabrication processes Engineering design Mechanical properties	SAMPE

07 - STRUCTURES, MATERIALS AND APPLIED MECHANICS (Cont.)

-	7	7	/ - SIRUCIUR	0/-SIRUCIORES, MAIERIALS AND AFFLIED MECHANICS (Cont.)	VICS (Cont.)	
IVO. Date Location		Location		Organization and 11tle	Key Words	Contact
				Year 1991		
07-17 16—19 April Dresden (GE) A	16—19 April Dresden (GE)		<u> </u>	AW 4th European Magnetic Materials and Applications Conference	Magnetic materials Metals Ferromagnetism Electromagnetism	AW
07-18 28 April— Cincinnati, A 2 May Ohio (US)	28 Aprıl— Cincinnati, 2 May Ohio (US)		<u> </u>	ACSI 93rd Annual Meeting of the American Ceramic Society	Ceramics Mechanical properties Research and development	ACSI
07-19 28 April— Bath (UK) Ao M M M or or or or of	28 April— Bath (UK) 3 May		<u> </u>	AGARD/SMP 72nd Panel Meeting/Specialists' Meeting on Fatigue Management and Workshop on Integrated Design Analysis and Optimization of Aircraft Structures	Aircraft structures Fatigue Engineering design	AGARD*
07-20 5-11 May Budapest (HU) HA	5—11 May Budapest (HU)			HAS European Conference on Crystal Growth	Crystal growth Crystallography Fabrication processes	HAS
07-21 20-21 May Baden (AU) A	20–21 May Baden (AU)		₹ <u>₽</u>	ALENCA 15th European Conference on Flammability and Fire Retardants	Flammability Fire prevention Combustion Materials	ALENCA

**************************************	·					
ASM	SAMPE	ASM	SAMPE	SME	SWCS	IUTAM
Materials Aircraft structures Spacecraft structures Metals Fabrication processes	Materials Mechanical properties Environmental protection Chemical reactions	Metals Heat treatment Surface treatment Machining	Materials Fabrication processes Engineering design Mechanical properties	Composite materials Machining Fabrication processes	Ceramics Engines Gas turbine engines Mechanical properties	Welding Mechanical properties Jouning Metals
ASM Conference and Exposition on Advanced Acrospace Materials/Processes	SAMPE 1st International Environmental Symposium and Exhibition	ASM 1st European Conference and Exhibition on Heat Treatment and Surface Engineering	SAMPE 12th International European Conference on Materials and Process Engineering	SME Exposition and Conference on Tooling for Composites	SWCS 4th International Symposium on Ceramic Materials and Compenents for Engines	IUTAM Symposium on Mechanical Effects of Welding
Long Beach, Cahforma (US)	San Drego. Calıfornia (US)	Amsterdam (NL)	Maastricht (NL)	Anaheim, Cahifornia (US)	Goeteborg (SW)	Lulea (SW)
20-24 May	21–23 May	22—24 May	28—30 May	4-5 June	10-12 June	10-14 June
07-22	07-23	07-24	07-25	07-26	07-27	07-28
~	~	*		^		Κ

07 - STRUCTURES, MATERIALS AND APPLIED MECHANICS (Cont.)

STRUCTORES, MATERIALS AND ALL LIED MECHANICS (COIL!)	Organization and Title Key Words Contact	Year 1991	EUROMECH 277 Micromechanical Models for Strength and Fatigue of Polymer-Based Fibre Composites Composites Composites Fibre-reinforced plastics Composite Composite Fibre Composite Fibre-reinforced plastics Following Fibre Composite	EOQC 35th Annual Conference on Human Factors Quality assurance EOQC in Quality Management Human factors	AAAF 14ème Colloque sur Les Materiaux pour Aircraft structures PAéronautique et l'Espace Spacecraft structures Spacecraft systems Spacecraft systems	ASTM 23rd National Symposium on Fracture Fracture mechanics Fracture coughness Astronomy Aircraft structures Spacecraft structures	Pritsburgh, IEEE (MAG) — AIP International Magnetics and Pennsylvania (US) Magnetism and Magnetic Materials Conferences Magnetic materials AIP Ferromagnetism Electromagnetism
	Location		Pitea (SW) EUROMEC Strength and Composites	Prague (CZ) Ein	Paris (FR)	College Station, ASTM 23r Texas (US) Mechanics	Pittsburgh, Pennsylvania (US)
/ O	Date		13—15 June	17-21 June	18—19 June	18—20 June	18—21 June
	No.		07-29	07-30	07-31	07-32	07-33
			×	×		×	

NACE	HUT	ЕОКОМЕСН	NS	ISVR	SAMPE	ЕОКОМЕСН
Metals Polymers Ceramics Composite materials Corrosion	Corrosion Research and development Electrochemistry Chemical reactions	Materials Mechanical properties Plastic deformation	Finite element methods Aircraft structures Spacecraft structures Engineering design	Aircraft structures Spacecraft structures Dynamic loads Structural loads	Composite materials Mechanical properties Fabrication processes Metal matrix composites	Liquid crystals Mathematical models Display devices
NACE 1st International Symposium on Environmental Effects on Advanced Materials	HUT 4th International Symposium on Electrochemical Methods in Corrosion Research	EUROMECH 282 Microscopic and Macroscopic Plastic-Deformation Instabilities	US 6th International Conference on Finite Element Methods	ISVR 4th International Conference on Recent Advances in Structural Dynamics	SAMPE International Conference on Composite Materials	EUROMECH 283 Mathematical Models for Liquid Crystals and Allied Systems
San Diego, California (US)	Espoo (FI)	Metz (FR)	Sydney (OS)	Southampton (UK)	Honolulu, Hawaii (US)	Strathclyde (UK)
07-34 19-21 June	1—4 July	8-10 July	8—10 July	15—18 July	15—19 July	07-40 16-19 July
07-34	07-35	07-36	07-37	07-38	07-39	07-40
×	×	×	×	×	×	×

07 - STRUCTURES, MATERIALS AND APPLIED MECHANICS (Cont.)

_	No	Date	I ocation	Ovanization and Tisla	$V_{\alpha ij}W_{\alpha ij}J_{\alpha}$	
		zymic (Location	Organization and 11the	Key Words	Contact
				Year 1991		
×	07-41	17—19 July	Cambridge. Massachusetts (US)	MIT 8th Conference on Nonlinear Finite Element Analysis and ADINA	Finite element methods Aircraft structures Spacecraft structures Engineering design	TIM
×	07-42	23—26 July	Liverpool (UK)	EUROMECH 28 i Response of Structures Subjected to Large Dynamic Loads	Aircraft structures Spacecraft structures Dynamic loads Stress analysis	ЕURОМЕСН
×	07-43	24—26 July	Tokushima (JA)	ASM 3rd International Conference on Residual Stresses	Aircraft structures Spacecraft structures Stress analysis Structural loads	ASM
	07-44	29 July— 2 August	Kyoto (JA)	KU 6th Conference of International Congress on Mechanical Behaviour of Materials	Materials Mechanical properties Aircraft structures Spacecraft structures	КU
×	07-45	25—30 August	New York, New York (US)	ACS Conference on Composite Polymeric Materials	Composite materials Polymers Mechanical properties Fabrication processes	ACS

IOP	IUPAP IEEE IOP	PCT	EUROMECH	IFIP	ECS	ASM
Magnetic materials Surface properties Films Ferromagnetism	Metals Magnetic materials Ferromagnetism Electromagnetism	Finite element methods Education Engineering design	Solid mechanics Mechanical properties Materials	Computer aided design Engineering design Fabrication processes Electronic computers	Ceramics Mechanical properties Research and development	Metals Metallurgy Heat treatment Phase transformations Mechanical properties
IOP 13th International Colloquium on Magnetic Films and Surfaces	IUPAP—IEEE (MAG) — IOP International Conference on Magnetism	PCT Conference on Education and Training in Finite Element Analysis	EUROMECH 1st European Solid Mechanics Conference	IFIP 4th Conference on Computer Applications in Production and Engineering	ECS 2nd Conference of the European Ceramic Society	ASM 13th Heat Treating Conference and Exposition
Glasgow (UK)	Edinburgh (UK)	Glasgow (UK)	Munich (GE)	Bordeaux (FR)	Augsburg (GE)	Detroit, Michigan (US)
26-30 August	1−7 < ptember	4-5 September	9—13 September	16-12 September Bor	11-14 September	17—19 September Detroit, Michiga
07-46	07-47	07-48	07-49	07-50	07-51	07-52
	······································	×	~		×	

07 - STRUCTURES, MATERIALS AND APPLIED MECHANICS (Cont.)

	No.	Баге	Location	Organization and Title	Key Words	Contact
				Year 1991		
×	07-53	17—19 September Manying (CN)	Manjing (CN)	1FIP International Conference on Information Technology in Advanced Manufacturing Systems	Fabrication processes Automation Information technology	IFIP
×	07-54	19–24 September Houston, Texas (US	Houston, Texas (US)	NACE 12th International Corrosion Congress Advances in Corrosion Control for Increased Reliability, Conservation and Productivity	Corrosion Materials Protective coatings Reliability	NACE
×	07-55	22—26 September Lake Geneva, Wisconsin (U)	Lake Geneva, Wisconsin (US)	ASM First International Conference on Heat-Resistant Materials	Materials Metals Gas turbine engines	ASM
×	07-56	23—25 September	Cincinnati, Ohio (US)	SME Exposition and Conference on Finishing	Finishing Fabrication processes Materials	SME
	07-57	23—26 September	Cambridge (UK)	NACE(E) International Conference on Life Prediction of Corrodible Structures	Corrosion Aircraft structures Spacecraft structures Ma'erials	NACE(E)
*	07-58	7—11 October	San Diego. Califorma (US)	AGARD/SMP 73rd Panel Meeting/Specialists' Meeting on Transonic Unsteady Aerodynamics and Aeroelasticity and Workshop on Utilization of Advanced Composite Materials in Military Aircraft	Aircraft structures Military aircraft Composite materials Aeroelasticity Transonic flow Unsteady flow Aircraft aerodynamics	AGARD*

ASME—STLE Conference on Tribology Lubrication systems Surface properties Surface properties Machanical properties SME Machining Finishing Materials PRI 3rd International Conference on Automated Composites Materials Materials SAE International Fuels and Lubricants Meeting and Exposition ASM Materials ASM ASM Materials ASM ASM Materials ASM	and Conference FABTECH and Conference FABTECH Tribology Lubrication systems Machanical properties Machining Finishing Materials Automation Fabrication processes Magnetic materials Magnetic materials Metals Ferromagnetism Electromagnetism Fuels and Lubricants Meeting Fuels Lubrication systems Materials Material						
and Conference FABTECH and Conference on Automated onal Conference on Automated al Fuels and Lubricants Meeting	ASME—STLE Conference on Tribology SME Exposition and Conference FABTECH International '91 PRI 3rd International Conference on Automated Composites IEEE Conference on Magnetism and Magnetic Materials SAE International Fuels and Lubricants Meeting and Exposition ASM Materials Week 91	ASME	SME	PRI	IEEE	SAE	ASM
ASME—STLE Conference on Tribology SME Exposition and Conference FABTECH International '91 PRI 3rd International Conference on Automated Composites Materials SAE International Fuels and Lubricants Meeting and Exposition ASM Materials Week 91	3	Tribology Lubrication systems Surface properties Mechanical properties	Fabrication processes Machining Finishing Materials	Composite materials Automation Fabrication processes	Magnetic materials Metals Ferromagnetism Electromagnetism	Fuels Lubrication systems Materials Aircraft propulsion Spacecraft propulsion	Materials Metals Metallurgy Mechanical properties
	St Louis, Missouri (US) Rosemont, Illinois (US) The Hague (NL) California (US) California (US) Ontario (CA) Cincinnati, Ohio (US)	ASME—STLE Conference on Tribology	SME Exposition and Conference FABTECH International '91	PRI 3rd International Conference on Automated Composites	IEEE Conference on Magnetism and Magnetic Materials	SAE International Fuels and Lubricants Meeting and Exposition	ASM Materials Week 91
14-16 October 14-17 October 15-17 October 19-22 October 21-24 October		07-59	09-20	07-61	07-62	07-63	07-64
	07-59 07-60 07-61 07-63 07-63		×	×	×	<u> </u>	×

07 - STRUCTURES, MATERIALS AND APPLIED MECHANICS (Cont.)

	Contact		EFC	ASM	SAMPE	AHS	NACE(E)
ACS (COME.)	Key Words		Corrosion Materials Protective coatings Aircraft systems Spacecraft systems	Materials Metals Composite materials Metal-matrix composites	Materials Fabrication processes Engineering design Mechanical properties	Aircraft structures Helicopters Engineering design Structural loads	Corrosion Aircraft structures Spacecraft structures Materials
STRUCTURES, MALEMBES AND ALL LIED MECHANCS (COM.)	Organization and Title	Year 1991	EFC EUROCORR 91	ASM 5th Materials, Applications and Services Exposition	SAMPE 23rd International Technical Conference on Materials and Process Engineering	AHS Southeast Region Specialists' Meeting on Structures	NACE(E) International Conference on Life Prediction of Corrodible Structures
	Location		Budapest (HU)	Cincinnati, Ohio (US)	New York, New York (US)	Williamsburg, Virginia (US)	Kauai, Hawaii (US)
, D	Date		21-25 October	22-24 October	22—24 October	29-31 October	5—8 November
	No.		07-65	07-66	07-67	07-68	07-69
^			×	×		×	

SME	вры	RACI	SAMPE	AIAA ASME ASCE AHS	IEEE AIP
Fabrication processes Automation Automatic control	Materials Aircraft structures Spacecraft structures Research and development	Polymers Mechanical properties Fabrication processes	Materials Fabrication processes Engineering design Mechanical properties	Aircraft structures Spacecraft structures Dynamic loads Materials	Metals Magnetic fields Magnetic materials Ferromagnetism Electromagnetism
SME AUTOFACT '91 Exposition and Conference	BDLI Congress and Exposition on Materials	Year 1992 RACI 19th Australian Polymer Symposium	SAMPE 37th International Symposium and Exhibition	AIAA—ASME—ASCE—AHS 33rd Conference on Structures, Structural Dynamics and Materials	IEEE (MAG)—AIP International Magnetics and Magnetism and Magnetic Materials Conference
Chicago, Illinois (US)	Hamburg (GE)	Perth (OS)	Anaheim. California (US)	Dallas, Texas (US)	St Louis, Missouri (US)
07-70 12-14 November Chicago, Illinois (U	13—15 November Hamburg (GE)	February	9- 12 March	68 Aprıl	13—''6 Aprıl
07-70	07-71	07-72	07-73	07-74	07-75
×	×	*		×	51

07 - STRUCTURES, MATERIALS AND APPLIED MECHANICS (Cont.)

	No.	Date	Location	Organization and Title	Key Words	Contact
07-76		27 Aprıl— 1 May	Nashville, Tennessee (US)	Year 1992 NACE CORROSION 92	Corrosion Materials Chemical reactions Protective coatings	NACE
07-77		1—4 June	Espoo (FI)	FINCORR 12th Scandinavian Corrosion Congress and EUROCORR '92	Corrosion Materials Chemical reactions Protective coatings	FINCORR
07-78	78	28 September – 1 October	Indianapolis, Indiana (US)	ASM 6th Materials Congress and Exposition	Aircraft structures Materials Mechanical properties Fabrication processes Engineering design	ASM
07-	07-79	6—8 October	Toronto, Ontario (CA)	SAMPE 24th International Technical Conference	Materials Fabrication processes Engineering design Mechanical properties	SAMPE
07-80		12-23 October	Sao Paulo (BR)	ABEND 13th World Conference on NDT	Non-destructive testing Ultrasonics Radiography Materials	ABEND

SAE	IEEE AIP	NACE	IEEE	SAMPE	ЕООС
Fuels Lubrication systems Materials Aircraft propulsion Spacecraft propulsion	Metals Magnetic materials Ferromagnetism Electromagnetism	Corrosion Materials Chemical reactions Protective coatings	Metals Magnetic materials Ferromagnetism Electromagnetism	Materials Fabrication processes Engineering design Mechanical properties	Quahty assurance Fabrication processes Management
SAE International Fuels and Lubricants Meeting and Exposition	IEEE (MAG)—AIP Conference on Magnetism and Magnetic Materials	Year 1993 NACE CORROSION 93	IEEE (MAG) International Magnetics and Magnetism and Magnetic Materials Conference	SAMPE 38th International Symposium and Exhibition	EOQC 37th Annual Conference
San Francisco, Calıfornia (US)	Houston, Texas (US)	New Orleans. Louisiana (US)	Vienna (AU)	Anaheım. Calıfornia (US)	Helsinki (Ff)
19-22 October	1-4 December	8—12 March	26—30 April	10—13 May	07-86 1420 June
07-81	07-82	07-83	07-84	07-85	07-86
	***	×		~	*

07 - STRUCTURES, MATERIALS AND APPLIED MECHANICS (Cont.)

	AMS	ОММ	AAAS	CISM	ICTP OMM
	Meteorology Information systems Data evaluation Electronic computers	Meteorology Instruments Measurement techniques Aeronomy	Geophysics Earth atmosphere Earth resources survey Meteorology	Geophysics Earth atmosphere Information systems Data processing	Meteorology Earth atmosphere Peformance prediction
08 – ATMOSPHERIC PHYSICS AND EARTH ENVIRONMENT	AMS 71st Annual Meeting — 6th International Conference on Interactive Information and Processing Systems for Meteorology, Oceanography and Hydrology	OMM 7th Symposium on Meteorology and Instrumentation	AAAS Annual Meeting (Earth Sciences)	CISM 3rd International Conference on Geographic Information Systems	ICTP—OMM International Technical Conference on Long-Range Weather Forecasting Research
	New Orleans, Louisiana (US)	New Orleans, Louisiana (US)	Washington, D.C. (US)	Ottawa, Ontario (CA)	Trieste (IT)
	13—18 January	13—18 January	15-19 February	18-21 March	8—12 April
	08-01	08-02	08-03	08-04	08-05
		×		×	×

08 - ATMOSPHERIC PHYSICS AND FARTH FNVIRONMENT

							
	Contact		ЕТНZ	ОММ	IEEE	ОММ	AMS OMM
MENT	Key Words		Photography Measurement techniques Geophysics Information systems	Earth atmosphere Geophysics Meteorology Air operations Airline operations	Geophysics Remote sensing Earth atmosphere Sensors Image processing	Meteorology Earth atmosphere Air operations Airline operations	Meteorology Ground radar Airborne radar Measurement techniques
08 ATMOSPHERIC PHYSICS AND EARTH ENVIRONMENT	Organization and Title	Year 1991	ETHZ International Seminar on Photogrammetry and Geographic Information Systems	OMM 11th World Meteorological Congress	IEEE International Symposium on Geoscience and Remote Sensing	OMM 4th International Conference on The Aviation Weather System	AMS—OMM 25th International Conference on Radar Meteorology
08 – ATMO	Location		Zurich (CH)	Geneva (CH)	Espoo (FI)	Paris (FR)	Paris (FR)
	Date		8—12 April	1—26 May	3—7 June	24—26 June	24—28 June
	No.		90-80	08-07	80-80	60-80	08-10
_			×		×	×	×

		ľ		
IUGG	DLR	IGU	COSPAR	IAMAP
Geophysics Earth atmosphere Meteorology Aeronomy	Earth atmosphere Meteorology Turbulent flow Gas dynamics	Remote sensing Mapping Aerial photography Earth resources survey	Space sciences Geophysics Aeronomy Space environment Scientific satellites	Meteorology Earth atmosphere Aeronomy Geophysics
IUGG 20th Quadrennial General Assembly on Geodesy and Geophysics	DLR 8th Symposium on Turbulent Shear Flows	Year 1992 IGU 27th Quadrennial Congress and General Assembly (Remote sensing and cartography)	COSPAR 29th Plenary Meeting and Associated Activities (Geophysics, aeronomy, planets, solar system, space studies)	Year 1993 IAMAP Biennial Scientific Assembly
Vienna (AU)	Munich (GE)	Washington, D.C. (US)	Washington, D.C. (US)	Tsukuba (JA)
08-11 11-24 August	9—11 September	9—14 August	27 August — 7 September	August
08-11	08-12	08-13	08-14	08-15
		×		*

09 — INFORMATION, DOCUMENTATION AND DATA PROCESSING

I	No.	Date	Location	Organization and Title	Key Words	Contact
				09 – INFORMATION, DOCUMENTATION AND DATA PROCESSING		
				Year 1991		
×	09-01	23—25 January	Anaheim, California (US)	SCS Conference on Computer Simulation in Emergency Planning	Computer simulation Aircraft safety Spacecraft safety Management	SCS
	09-05	6—8 February	London (UK)	ONLINE Mapping Awareness '91 Exhibition and Conference	Mapping Information systems Electronic computers Information technology	ONLINE
×	09-03	18-20 February	Tucson, Arizona (US)	IFIP 2nd Working Conference on Dependable Computing for Critical Applications	Electronic computers Data processing Software Hardware Reliability	IFIP
×	09-04	25—27 February	Colorado Springs, Colorado (US)	SPIE 7th Topical Meeting on Optical Data Storage	Optical systems Databases Electronic computers Data processing	SPIE

1666 166	ACM	RAES	IFIP	AGARD*	IEE	ACM
Engineering design Automation Computer-aided design Software	Electronic computers Software Data processing	Software Aerospace industry Management	Computer graphics II Image processing Electronic computers	Information systems Aerospace industry Research and development Document editing	Data processing Digital systems Electronic computers	Electronic computers Software Data processing
IEEE-IEE European Design Automation Conference	ACM 19th Computer Science Conference	RAES Conference on The Management of Aerospace Software	IFIP Working Conference on Modelling in C หรุ่ uter Graphics	AGARD/TIP 48th Panel Meeting (Including a half-day session on Distribution Statement and Classification Markings)	IEE 2nd International Specialist Seminar on The Design and Application of Parallel Digital Processors	ACM 3rd Symposium on Principles and Practice of Parallel Programming
Amsterdam (NL)	San Antonio, Texas (US)	London (UK)	Tokyo (JA)	Glasgow (UK)	Lisbon (PO)	Williamsburg, Virginia (US)
25—28 February	4—7 March	6 March	8—12 April	15—18 April	15—19 April	21–24 April
09-05	90-60	09-07	0, مع	60-60	00-10	09-11
×	×	×	×	⇟	×	× 50

09 - INFORMATION, DOCUMENTATION AND DATA PROCESSING (Cont.)

-						
Contact		CMI	ACM	ISA	IBBE	ICSTI
Key Words		Software Reliability Engineering design Computer-aided design	Electronic computers Human factors Data processing Software	Electronic computers Knowledge-based systems Robotics Software	Electronic computers Hardware Software Data processing	Information systems Information technology Data transmission Data bases
ation Organization and Title Key Word	Year 1991	CMI 2nd International Conference on Reliability and Robustness of Engineering Software	ACM Conference on Human Factors in Computing Systems	ISA Symposium on Robotics and Expert Systems	IEEE(C) 5th International Conference on Advanced Computer Technologies, Systems and Applications	ICSTI International Symposium on Squaring the Information Circle
Location		Milan (IT)	New Orlean Louisiana (US)	Edmonton, Alberta (CA)	Bologna (IT)	Nancy (FR)
Date		23—25 April	28 April— 2 May	29 April— 3 May	7—10 May	13—15 May
No.		09-12	09-13	09-14	09-15	09-16
		×	×	×		×

ACM IEEE	IFIP	ACM	ACM IEEE	АСМ	IEEE ACM
Electronic computers Hardware Software Engineering design	Artificial intelligence Electronic computers Reliability	Artificial intelligence Knowledge-based systems Computer-aided design Engineering design	Engineering design Automation Conputer-aided design Software	Electronic computers Software Hardware Data processing	Electronic computers Software Data processing Hardware
ACM—IEEE (CS) 18th Annual International Symposium on Computer Architecture	IFIP Workshop on Dependability of Artificial Intelligence Systems	ACM 4th International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems	ACM—IEEE (CS) 28th Design Automation Conference	ACM International Conference on Supercomputing	IEEE—ACM International Conference on Computing
Toronto, Ontario (CA)	Vienna (AU)	Kauai, Hawaii (US)	San Francisco, California (US)	Cologne (GE)	London (UK)
09-17 26-30 May	27—29 May	2—5 June	17—21 June	17—21 June	1—3 July
09-17	09-18	09-19	09-50	09-21	09-22
	×	×	×	×	×

09 - INFORMATION, DOCUMENTATION AND DATA PROCESSING (Cont.)

	No.	Date	Location	Organization and Title Key Word	Key Words	Contact
·				Year 1991		
	09-23	15—17 July	Swansea (UK)	IFAC—IFIP 5th Symposium on Computer-Aided Design in Control and Engineering Systems	Computer-aided design Automatic control Aircraft systems Spacecraft systems	IFAC IFIP
×	09-24	15—18 July	Cambridge (UK)	BLRⅅ 2nd International Research Conference on Multi-Media Information	Information technology Information systems Data processing Digital processing Research and development	BLRⅅ
¥	09-25	, August	Berlin (GE)	UV International Conference on Database and Expert Systems Applications	Databases Knowledge-based systems Electronic computers Software	ΛΩ
· · · · · · · · · · · · · · · · · · ·	09-26	13—15 August	Washington, D.C. (US)	IFAC Symposium on Distributed Intelligence Systems	Electronic computers Distributed systems Artificial intelligence	IFAC
	09-27	18–23 August	Sydney (OS)	IJCAI 12th International Joint Conference on Artificial Intelligence	Artificial intelligence Electronic computers Software Pattern recognition	IJCAI

				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
EUROMICRO	IFIP	331	IFIP	IFIP	AIAA
Electronic computers Microprocessors Software Hardware Engineering design Automation	Databases Electronic computers Data processing	Electronic computers Software Real time operations	Electronic computers Software Data processing Research and development	Computer-aided design Knowledge-based systems Electronic computers Software	Electronic computers Aerospace industry Aircraft systems Spacecraft systems
EUROMICRO 17th Conference on Hardware and Software Design Automation	IFIP 17th International Conference on VLDB '91	IEE 3rd International Conference on Software Engineering for Real Time Systems	IFIP Working Conference on Programming Environments for High-Level Scientific Problem-Solving	IFIP 4th Workshop on Intelligent CAD	AIAA Conference on Computers in Aerospace VIII
Vienna (AU)	Barcelona (SP)	Cirencester (UK)	Karlsruhe (GE)	Ohio (US)	Baltimore. Maryland (US)
25 September	3-6 September	16—18 September	23—27 September   Karlsruhe (GE)	30 September – 3 October	October
09-28	09-29	06-30	09-31	09-32	09-33
×	×	×		†×	<del>*</del>

## 09 - INFORMATION, DOCUMENTATION AND DATA PROCESSING (Cont.)

	/	<del></del>		····	
Contact	AGARD*	ACM	AGARD*	AGARD*	AGARD*
Key Words	Information systems Data transmission Aerospace industry Information technology	Library science Research and development Data processing Electronic computers	Intellectual property rights Laws Information systems	Intellectual property rights Laws Information systems	Intellectual property rights Laws Information systems
Organization and Title	Year 1991 AGARD/TIP 49th Panel Meeting/Specialists' Meeting on Bringing Down the Barriers to Information Transfer in Aerospace and Defence	ACM 14th International Conference on Research and Development in Information Retrieval	AGARD/TIP Lecture Series 181 on Intellectual Property Rights	AGARD/TIP Lecture Series 181 on Intellectual Property Rights	AGARD TIP Lecture Series 181 on Intellectual Property Kights
Location	Madrid (SP)	Chicago, Illinois (US)	London (UK)	Brussels (BE)	Washington, D.C. (US)
Date	7—11 October	13-16 October	21–22 October	24–25 October	7-8 November
No.	09-34	09-35	09-36	09-37	09-38
···	⇟	×	×	¥	↯

	09-39	09-39 10-15 November Boston, Massachusetts (US)	Boston, Massachusetts (US)	SPIE Conference on Advances in Intelligent Systems	Artificial intelligence Sensors Automatic control Electronic computers	SPIE
×	09-40	811 December	Phoenix, Arizona (US)	ACM Winter Simulation Conference	Computer simulation Electronic computers Software	ACM
· · · · · · · · · · · · · · · · · · ·				Year 1992		
埬	09-41	January	Strasbourg (FR)	AAAF-DGLR-RAES 2nd Information - Documentation Colloquium	Aerospace industry Information systems Library science Information technology	AAAF DGLR RAES
×	09-42	4—7 May	The Hague (NL)	IEEE(C) International Conference on Computer Systems and Software Engineering	Electronic computers Hardware Software Engineering design	IBEE
	09-43	7—11 September	Madrid (SP)	IFIP 12th World Computer Congress	Electronic computers Data processing Software Hardware	IFIP
				Year 1993		
*	09-44	February	(FR)	IFIP International Conference on Feature Modelling and Recognition for CAD/CAM Systems	Computer-aided design Fabrication processes Sensors Automation	IFIP

09 - INFORMATION, DOCUMENTATION AND DATA PROCESSING (Cont.)

	Contact		ACM	IJCAI	IFIP
SSSING (COIN.)	Key Words		Electronic computers Human factors Interfaces	Electronic computers Data processing Pattern recognition Artificial intelligence	Information systems Data processing Information technology
COMMATION, DOCOMENTATION AND DATA I NOCESSING (COIII.)	Organization and Title	Year 1993	ACM Conference on Human Factors in Computing	IJCAI 13th International Conference on Artificial Intelligence	IFIP Symposium on Network Information Processing Systems
INTOINING THE	Location		Amsterdam (N1.)	Chambery (FR)	Sofia (BU)
	Date		24—29 April	29 August 3 September	October
	No.		09-45	09-46	09-47
6 6			×		<b>*</b>

Aircraft Spacecraft Missiles Engines Space sciences Human factors Human factors Flight crews Navigation satellites Observation satellites Satellite communications Aircraft aerodynamics Aircraft systems Air operations	Airline operations Air traffic control
(INTERDISCIPLINARY) AND OTHER TOPICS  Year 1991  AIAA 29th Aerospace Sciences Meeting and Exhibition  AIAA—NASA—FAA—HFS Challenges in Aviation — Human Factors: The National Plan  AAES Conference on Small Satellites  HAI HELI EXPO '91  DLR Symposium Die Entwicklungen in Osteuropa	- Neue Impulse für den Luftverkehr
Reno, Nevada (US) Vienna, Virginia (US) Didcot (UK) Anaheim, California (US)	
7—10 January 15—17 January 24 January 27—29 January 5—6 February	
x 10-01 x 10-02 x 10-04	

10 - GENERAL (INTERDISCIPLINARY) AND OTHER TOPICS (Cont.)

	Contact		AIAA	AHS	AAAF	RAES	IMACS UMIST
71CS (COML.)	Key Words		Aircraft Spacecraft Missiles Engineering design Engines	Helicopters Aircraft structures Aircraft propulsion Aircraft systems	Helicopters V/STOL aircraft Aircraft propulsion Aircraft systems Aircraft structures	Helicopters Fabrication processes Engineering design	Decision making Command and control Electronic computers
10 - GENERAL (INTERDISCIPLINARY) AND OTHER TOPICS (CON.)	Organization and Title	Year 1991	AIAA Aerospace Engineering Conference and Exhibition	AHS Helicopter Seminar	AAAF Journée de la Giraviation (Vol vertical)	RAES Conference on An Introduction to the Rotorcraft Industry	IMACS—UMIST International Workshop on Decision Support Systems and Qualitative Reasoning
U - GEINEKAL	Location		Los Angeles, California (US)	Makuhari (JA)	Paris (FR)	Yeovil (UK)	Toulouse (FR)
-	Date		12—14 February	16 February	18—22 February	6 March	13—15 March
	No.		10-06	10-01	10-08	10-09	10-10
				×	×	×	×

-			<del></del>		
RAES	RIN	RAES	SAMECA	RAES	AHS
Aircraft Aircraft systems Human factors Flight crews	Space operations Spacecraft Spacecraft systems Navigation	Helicopters Reliability Maintainability Engineering design	Spacecraft Spacecraft systems Spacecraft structures Spacecraft propulsion	Aircraft systems Ground testing Engineering design Flight simulators Maintainability	Helicopters Research and development Aircraft aerodynamics Engineering design
RAES Conference on Advanced Aircraft/Human Factors	RIN Meeting The Voyager Project	RAES Conference on Rotorcraft Reliability and Maintainability: Future Design Requirements	SAMECA SPACE EXPO '91 (1st International Space Convention)	RAES Conference on The Use of Test Rigs and Simulation in the Design, Evaluation and Support of Aircraft Systems	AHS South East Region Specialists' Meeting on Rotorcraft Basic Research
London (UK)	London (UK)	London (UK)	Washington, D.C. (US)	Cambridge (UK)	Atlanta, Georgia (US)
10-11   14 March	20 March	20 March	24—28 March	25—26 March	25—27 March
10-11	10-12	10-13	10-14	10-15	10-16
×	×	×		×	× 60

						<del></del>	
	Contact		АНЅ	1888	AIAA	SAE	VDE IEEE IEE
ICS (Cont.)	Key Words		Aircraft Helicopters Engineering design	Robotics Automation Automatic control Sensors	Decelerator systems Aircraft systems Spacecraft systems Engineering design	Aircraft Aeronautics Airline operations Air operations	Measurement techniques IDEE Instruments Cround testing Automatic test equipment
10 - GENERAL (INTERDISCIPLINARY) AND OTHER TOPICS (Cont.)	Organization and Title	Year 1991	AHS South East Region Specialists' Meeting on Aircraft Design	IEEE International Conference on Robotics and Automation	AIAA 11th Aerodynamic Decelerator Systems Technology Conference	SAE General Aviation Aircraft Meeting and Exposition	VDE—IEEE—IEE European Test Conference
10 - GENERAL	Location	-	Atlanta, Georgia (US)	Sacramento, California (US)	San Diego, California (US)	Wichita, Kansas (US)	Munich (GE)
1	Date		1—5 April	7—12 April	9—11 April	9—11 April	10—21 April
	No.		10-17	10-18	10-19	10-20	10-21
			×	×	×		×

10-22   11 April	II April		Boscombe Down (UK)	RAES Conference on Design for Safety	Aircraft safety Aircraft Engineering design Aircraft structures	RAES
10-23   15—19 April Noordwijk (NL)		Noordwij	k (NL)	ASE Symposium on Space Product Assurance for Europe in the 1990s	Fabrication processes Space operations Space environment Quality assurance	ASE
10-24   23—24 April   London (UK)		London (U	<u>3</u>	RAES Conference on Fixed and Rotary Wing All Weather Operations	Air operations Air transport Aircraft Helicopters	RAES
10-25 23-26 April Strasbourg (FR)	23—26 April	Strasbourg (	FR)	INRIA—SIAM 1st International Conference on Mathematical and Numerical Aspects of Wave Propagation Phenomena	Wave propagation Mathematics Numerical analysis Scattering	INRIA SIAM
10-26   23—26 April Albuquerque. New Mexico (US)	23—26 April	Albuquerque New Mexico	(US)	AIAA—ASCE 2nd International Conference on Engineering, Construction and Operations in Space	Space operations Spacecraft Engineering design Fabrication processes Space environment	AIAA ASCE
10-27 24—26 April Noordwijk (NL.)		Noordwijk (N	<u>.                                    </u>	ASE—CNES—DLR International Conference on Spacecraft Structures and Mechanical Testing	Spacecraft structures Ground testing Flight testing Dynamic loads	ASE CNES DLR

10 - GENERAL (INTERDISCIPLINARY) AND OTHER TOPICS (Cont.)

					<del></del>
Contact		DGLR	AIAA	AHS	ISA
Key Words		Aircraft structures Spacecraft structures Aircraft Spacecraft Research and development	Aircraft Spacecraft Missiles Engines Avionics	Helicopters Aircraft structures Aircraft aerodynamics Aircraft propulsion Aircraft systems	Aerospace industry Ground testing Flight testing Measurement techniques Instruments
Contion Organization and Title Key W	Year 1991	DGLR Symposium über Entwicklung und Anwendungen von Fortschrittlichen Strukturen für die Luft- und Raumfahrt	AIAA Annual Meeting and Aerospace Exhibition	AHS 47th Annual Forum and Technology Display	ISA Aerospace Industries/Test Measurement Division 37th International Instrumentation Symposium
Location		(GE)	Crystal City, Virginia (US)	Phoenix, Arizona (US)	San Diego, California (US)
Date		26—27 April	30 April— 2 May	6–8 May	6—9 May
νν		10-28	10-29	10-30	10-31

ᅕ

	13—16 May	Paris (FR)	AAAF—DGLR—RAES 4ème Conference Européene Aérospatiales L'homme dans l'Espace et Les Centres de Lancement et de Contrôle	Flight crews Space environment Spacecraft Launchers Human factors	AAAF DGLR RAES
14—15 May		Paris (FR)	SFDAS—ASE—CNES Colloque International sur L'Avion Spatial et le Droit	Spacecraft Space operations Laws	SFDAS ASE CNES
14—16 May		Nuremberg (GE)	ACSO 5th International Exhibition and Congress for Sensor and Systems Technology (Applications in aviation, aeronautics and space technology)	Sensors Aircraft systems Spacecraft systems Remote sensing	ACSO
14—16 May		Atlanta, Georgia (US)	IEEE Conference on Instrumentation Measurement Technology	Measurement techniques Instruments Ground testing	IEEE
22—24 May		Monterey, California (US)	AIAA Data Distribution and Management Standards Workshop	Data transmission Management Digital systems Electronic systems	AIAA
22—27 May		San Antonio, Texas (US)	NSS 10th Annual International Space Development Conference	Spacecraft Space environment Space operations Research and development	NSS

10 - GENERAL (INTERDISCIPLINARY) AND OTHER TOPICS (Cont.)

r								
	Contact		ASE CNES	ITU	IEE	SEE AAAF	IMACS	СМІ
ree (come)	Key Words		Rocket engines Spacecraft propulsion Balloons Research and development	Transportation Research and development Management	Television Measurement techniques Telemetry	Measurement techniques SEE Ground testing AAA Telemetry Data evaluation	Mathematics Numerical analysis Finite element methods Mathematical models	Measurement techniques CMI Data processing Electronic computers
	Organization and Title	Year 1991	ASE—CNES 10th Symposium on European Rocket and Balloon Programmes and Related Research	ITU 2nd International Symposium on Approaches to the Middle East Transportation Requirements: Facing the Challenge of 2000	IEE 4th International Conference on Television Measurements	SEE—AAAF European Test and Telemetry Conference	IMACS 13ème Congrès Mondial de Mathematiques Appliquées	CMI 5th International Conference on Computational Methods and Experimental Measurements
	Location		Mandelieu- Cannes (FR)	Istanbul (TU)	Montreux (CH)	Toulouse (FP,)	Dublin (E1)	Montreal, Quebec (CA)
	Date		27—31 May	3—6 June	20—22 June	25—27 June	22—26 July	23—26 July
	No.		10-38	10-39	10-40	10-41	10-42	10-43
L.			×	×	×	×		×

SFTE	1666	ASE CNES DGLR	DGLR	AIAA	ІМЕКО
Flight testing Aircraft Measurement techniques	Power sources Energy conversion Electronic computers Radio communications Automatic control Optical communications	Space operations Spacecraft Space sciences Space stations	Aeronautics Space operations Aircraft Spacecraft	Aerospace industry Quality assurance Aircraft Spacecraft	Artificial intelligence Measurement techniques Automatic control
SFTE 22nd Annual Symposium	IEEE Conference on Energy, Computer, Communications and Control Systems	ASE—CNES—DGLR 3rd European In-Orbit Operations Technology Symposium	DGLR Luft- und Raumfahrtkongress Jahrestagung 1991	AIAA European Standards Workshop	IMEKO 8th Symposium on Artificial Intelligence-Based Measurement and Control
St Louis, Missouri (US)	New Delhi (IN)	Noordwijk (NL)	Berlın (GE)	Toulouse (FR)	Kyoto (JA)
10-44   5-9 Augusi	28—30 August	September	10—13 September Berlin (GE)	11—13 September Toulouse (FR)	12—14 September Kyoto (JA)
10-44	10-45	10-46	10-47	10-43	10-49
×	×	<del>*</del>		×	7.6

10 - GENERAL (INTERDISCIPLINARY) AND OTHER TOPICS (Cont.)

		4	מנאים וחס סי	COLUMN (INTERNATION DE LA LOS (COLLES)	(50,000)	
	No.	Date	Location	Organization and Title	Key Words	Contact
				Year 1991		
×	10-50	17 September	London (UK)	RAES Conference on Risk Analysis	Aircraft safety Accident prevention Air operation Numerical analysis	RAES
	10-51	22—25 September	Edinburgh (UK)	IOP—RSC Conference on Sensors and Their Applications	Sensors Remote sensing Automatic control Measurement techniques	IOP RSC
×	10-52	23-26 September Baltimore, Maryland (	Baltimore, Maryland (US)	AIAA Meeting on Aircraft Design Systems and Operations	Aircraft Engincering design Air operations	AIAA
	10-53	24–26 September Anaheim, California (US)	Anaheim, California (US)	IEEE (AES) AUTOTESTCON '91	Automatic test equipment Ground testing Measurement techniques	IEEE
<del>*</del>	10-54	October	Ottawa, Ontario (CA)	AAAF—IAF Conference on Space Technology	Spacecraft Spacecraft systems Spacecraft structures Spacecraft propulsion	AAAF IAF
					_	

SAE	IAF	ISA	AIAA	AAAF	AAAF
Aircraft Spacecraft Missiles Engines Engineering design	Space operations Spacecraft Space environment Space sciences	Measurement techniques Instruments Automatic control Automation	Space operations Logistics Space stations	Space sciences Space operations Space environment Remote sensing Telemetry	Non-destructive testing Spacecraft systems Aircraft systems Spacecraft structures Aircraft structures
SAE AEROTECH 91	IAF 42nd International <b>Astronautical</b> Cougress	ISA International Conference and Exhibition on Measurement, Control and Automation	AIAA 4th Symposium and Exhibition on Space Logistics	AAAF Conference on La Téléscience au Service de l'Experimentation Spatiale	AAAF Colloque Controle Non-Destructif
Anaheim, California (US)	Montreal, Quebec (CA)	Anaheim, California (US)	Florida (US)	Paris (FR)	Paris (FR)
10-55 October	7-11 October	27 October— I November	4-6 November	26-27 November	28—29 November Paris (FR)
10-55	10-56	10-57	10-58	10-59	10-60
+			<del>*</del>	×	×

10 - GENERAL (INTERDISCIPLINARY) AND OTHER TOPICS (Cont.)

Contact		AIAA	AIAA	наі	ISA	ISA
Key Words		Aircraft Spacecraft Missiles Engines Space sciences	Aircraft Spacecraft Missiles Engineering design Engines	Helicopters Aircraft aerodynamics Aircraft propulsion Aircraft structures Aircraft systems	Instruments Measurement techniques Aerospace industry Flight testing Ground testing	Measurement techniques Instruments Automatic control Automation
Organization and Title	Year 1992	AIAA 30th Aerospace Sciences Meeting and Exhibition	AIAA International Aerospace Engineering Conference and Show	HAI HELI EXPO '92	ISA Aerospace Industries/Test Measurement Division 38th International Instrumentation Symposium	ISA International Conference and Exhibition on Measurement, Control and Automation
Location		Reno, Nevada (US)	Los Angeles, California (US)	Las Vegas, Nevada (US)	Las Vegas, Nevada (US)	Toronto, Ontario (CA)
Date		January	February	22-24 March	26—30 April	26—30 April
No.		10-61	10-62	10-63	10-64	10-65
B		+-	<del>*</del>		×	×

AIAA	AHS	3931	IAF AIAA	IEEE	AIAA
Aircraft Spacecraft Missiles Engines	ers systems structures terodynamics propulsion	Instruments Measurement techniques Ground testing Flight testing	Spacecraft Space sciences Al Space environment Space operations Space stations	Automatic test equipment Ground testing Measurement techniques	Aircraft propulsion Aircraft structures Aircraft Hypersonic flow Engineering design
AIAA Annual Meeting and International Aerospace Exhibition	AHS 48th Annual Forum and Technology Display	IEEE Conference on Instrumentation and Measurement Technology	IAF—AIAA World Space Congress	IEEE(AES—IM) AUTOTESTCON '92	AIAA Conference on Propulsion/Airframe Integration for Hypersonic Vehicles
Crystal City. Virginia (US)	Washington, D.C. (US)	Secausus, New Jersey (US)	Washington, D.C. (US)	Dayton, Ohio (US)	Dayton, Ohio (US)
27-29 April	3—5 May	12—14 May	27 August— 7 September	21—24 September	October
10-66	10-67	10-68	69-01	10-70	10-71
×		×			*

10 - GENERAL (INTERDISCIPLINARY) AND OTHER TOPICS (Cont.)

		<del></del>		<del></del>		
	Contact	ISA	AIAA	AIAA	НАІ	
ICS (Cont.)	Key Words	Measurement techniques ISA Instruments Automatic control Automation	Aircraft Spacecraft Missiles Engines Space eximose	Space sciences Aircraft Spacecraft Missiles Engineering design Engines	Helicopters V/STOL aircraft Aircraft aerodynamics Aircraft structures Aircraft propulsion	
- GENERAL (IN I ERDISCIFLINARY) AIND OTHER TOPICS (CONT.)	Organization and Title	Year 1992 ISA International Conference on Measurement, Control and Automation	Year 1993 AIAA 31st Aerospace Sciences Meeting and Exhibition	AIAA International Aerospace Engincering Conference	HAI HELI EXPO '93	
IU - GENERAL	Location	Houston, Texas (US)	Reno, Nevada (US)	Los Angeles, California (US)	New Orleans, Louisiana (US)	
Ţ	Date	18–23 October	January	February	25—27 February	
	No.	10-72	10-73	10-74	10-75	
		×	±x	<del>*</del>		

AIAA	ISA	AHS	ISA	IAF	8331
Aircraft Spacecraft Missiles Engines Avionics	Instruments Measurement techniques Aerospace industry Flight testing Ground testing	Helicopters Aircraft systems Aircraft structures Aircraft aerodynamics Aircraft propulsion	Measurement tecuniques 1SA Instruments Automatic control Automation	Space operations Space environment Laws	Automatic test equipment Ground testing Measurement techniques
AIAA Annual Meeting and International Aerospace Exhibition	ISA Aerospace Industries/Test Measurement Division International Instrumentation Symposium	AHS 49th Annual Forum and Technology Display	ISA International Conference and Exhibition on Measurement, Control and Automation	IAF 44th Annual International Congress — 23ème Conference des Etudiants — Symposium sur le Droit de l'Espace Extra-Terrestre	IEEE(IM—AES) AUTOTESTCON'93
Crystal City, Virginia (US)	Albuquerque, New Mexico (US)	St Louis, Missouri (US)	Chicago, Illinois (US)	Ljubljana (YU)	Boston, Massachusetts (US)
Мау	3–6 May	19—21 May	19-24 September	23—28 September	28-30 September
10-76	10-77	10-78	10-26	10-80	10-81
¥	×		×	×	× 01

11 - EXHIBITIONS AND DISPLAYS

Contact			GIFAS	SPIE	UIT IEEE VDE	SPIE LIA IEEE OSA
Key Words			Acronautics Aircraft Spacecraft Aerospace industry	Electro-optics Fibre optics Lasers Optical communications	Radio communications Satellite communications Optica, communications Television Data transmission	Optical systems Electro-optics Lasers Fibre optics Optical communications
Organization and Title	11 – EXHIBITIONS AND DISPLAYS	Year 1991	GIFAS Salon International de l'Aéronautique et de l'Espace	SPIE OE/Fibers '91 Exhibition	UIT — IEEE — VDE — SEE 6th World Exposition and Forum on Telecommunications	SPIE—LIA—IEEE(LEOS)—OSA OPTCON '91 Exhibition
Location			Paris (FR)	Boston, Massachusetts (US)	Geneva (CH)	San Jose, California (US)
Date			13—23 June	3-6 September	7—15 October	5-7 November
No.			11-01	11-02	11-03	11-04

×

003	A/SA	
Space operations Space environment	Space sciences Aeronautics Aircraft Spacecraft Aircraft systems Spacecraft systems	
Year 1992  OCS Exposition Universelle L'Ere des Découvertes  - EXPO '92 (Dans le cadre de l'Anneé de l'Espace)	A/SA International Aerospace Trade Show	
Seville (SP)	San Diego, California (US)	
20 April— 12 October	8—17 May	
11-05	11-06	
×	×	

12 – EDUCATIONAL COURSES

L				12 - EDUCATIONAL COUNSES		
i	No.	Date	Location	Organization and Title	Key Words	Contact
				12 - EDUCATIONAL COURSES		
				Year 1991		
×	12-01	911 January	Cranffeld (UK)	CIT Short Course on Vibration Testing for Technicians and Engineers	Vibration Dynamic loads Aircraft systems Aircraft structures Ground testing	CIT
×	12-02	21—23 January	Anaheim, California (US)	ACM Workshop on Parallel and Distributed Simulation	Computer simulation Electronic computers Software Distributed systems	АСМ
×	12-03	21—23 January	Cranfield (UK)	CIT Short Course on Digital Image Processing	Image processing Digital systems Remote sensing	CIT
×	12-04	11—22 February	Cranfield (UK)	CIT Short Course on Introduction to Aircraft Stress Analysis	Aircraft structures Stress analysis Fatigue Fracture mechanics Finite element methods	CIT

CIT	CIT	CIT	CIT	RAES	NATO	CIT
Composite materials Fibre-reinforced plastic: Structural loads Stress analysis Mechanical properties	Hypersonic flow Aircraft aerodynamics Spacecraft aerodynamics Gas dynamics	Aircraft aerodynamics Fluid mechanics Numerical anaïysis	Signal processing Digital systems Measurement techniques	Air transport Management Aeronautics Airline operations Air operations	Structural loads Stress analysis Measurement techniques	Aircraft aerodynamics Spacecraft aerodynamics Computer simulation Performance prediction Numerical analysis
CIT Short Course on Introduction to Composite Stressing: Laminates and Sections	CIT Short Course on Introduction to Hypersonic Aerodynamics	CIT Short Course on Application of Computational Fluid Dynamics to Aeronautical Flows	CIT Short Course on Basic Practical Signal Processing	RAES Management Course on Air Transport	NATO—ARW on Measurement of Residual and Applied Stress Using Neutron Diffraction	CIT Short Course on Computer Modelling of Aerospace Vehicle Dynamics
Cranfield (UK)	Cranfield (UK)	Cranfield (UK)	Cranfield (UK)	Oxford (UK)	Oxford (UK)	Cranfield (UK)
12-05   25 February— 1 March	25 February— 1 March	12-07 11-15 March	13—15 March	12-09   13—28 March	18—22 March	18-22 March
12-05	12-06	12-07	12-08	12-09	12-10	12-11
×	×	×	×	×	×	×

12 - EDUCATIONAL COURSES (Cont.)

- 1							
	Contact		CIT	NATO	AGARD*	933	CIT
	Key Words		Aircraft Flight control Flight testing Aircraft aerodynamics	Materials Mechanical properties Computer simulation Theoretical physics	Aircraft aerodynamics Dynamic stability Flight testing Computer simulation Mathematical models	Ground radars Airborne radars Antennas Signal processing Image processing	Aircraft Flight control Flight testing Aircraft aerodynamics
11 - EDOCATIONAL COOKES (Cont.)	Organization and Title	Year 1991	CIT University Flight Course	NATO—ASI on Computer Simulation in Materials Science: Interatomic Potentials, Techniques and Applications	AGARD/FDP Short Course on Aircraft Dynamics at High Angle of Attack — Experiments and Modelling	Oberpfaffenhofen   CCG Short Course on SAR — Principles and (GE)   Applications	CIT University Flight Course
¥	Location		Cranfield (UK)	Aussois (FR)	Hampton, Virginia (US)	Oberpfaffenhofen (GE)	Cranfield (UK)
	Date		25-28 March	25 March— 5 April	8—11 April	8—12 April	8—12 April
	No.		12-12	12-13	12-14	12-15	12-16
		<del></del>	×	×	<del>*</del>	×	×

-						
CIT	NACE(E)	999	AGARD*	IFIP	AGARD*	CIT
Human factors Flight crews Performance prediction Air operations	Corrosion Materials Chemical reactions Protective coatings	Flight simulators Flight characteristics Aircraft aerodynamics Spacecraft aerodynamics	Aircraft aerodynamics Dynamic stability Flight testing Computer simulation Mathematical models	Computer aided design Fabrication processes Engineering design	Aircraft Aircraft structures Engineering design Dynamic loads	Vibration Gas turbine engines Turbines Measurement techniques
CIT Short Course on Introduction to Human Factors in Aviation	NACE(E) Short Course on Basic Corrosion	CCG Short Course on Flug- und Systemsimulation	AGARD/FDP Special Course No.1 on Aircraft Dynamics at High Angles of Attack — Experiments and Modelling	IFIP Workshop on CAD/CAM interface in incethanical Engineering	AGARD/FDP Short Course on Engineering Methods Used in Preliminary Design and Design and Analysis of Aircraft	CIT Short Course on Machine Vibration Monitoring
Cranfield (UK)	Amsterdam (NL)	Braunschweig (GE)	Brussels (BE)	Darmstadt (GE)	Ankara (TU)	Cranfield (UK)
12-17 8—12 April	14—17 April	12—19   15—19 April	22—26 April	2—4 May	6—10 May	8—10 May
12-17	12-18	12–19	12-20	12-21	12-22	12-23
×	×	>	¥	×	⇟	× 87

12 - EDUCATIONAL COURSES (Cont.)

1	ſ					
No.		Date	Location	Organization and Title	Key Words	Contact
				Year 1991		
12-24   1		13—16 May	Cranffeld (UK)	CIT Short Course on Applied Signal Processing for Engineers	Signal processing Digital systems Vibration Data evaluation	cır
12-25		13—17 May	Brussels (BE)	AGARD/FDP Special Course No.2 on Engineering Methods Used in Preliminary Design and Design and Analysis of Aircraft	Aircraft Aircraft structures Engineering design Dynamic loads	AGARD*
12-26		13—17 May	Cranfield (UK)	CIT Short Course on Introduction to Flight Dynamics	Aircraft aerodynamics Flight control Flight characteristics Handling qualities	CIT
12-27		13 May— 28 June	Cranfield (UK)	CIT Course on Aircraft Accident Investigation	Accident investigation Accident prevention Aircraft Human factors	ст
12-28		20—24 May	Madrid (SP)	AGARD/FDP Short Course on Engineering Methods Used in Preliminary Design and Design and Analysis of Aircraft	Aircraft Aircraft structures Engineering design Dynamic loads	AGARD*
	_					

ст	NATO	RAES	900	933	CIT
Gas turvine engines Aircraft propulsion Engineering design Performance prediction	Fluid mechanics Rheology Turbulent flow Mathematics	Laws Aeronautics Management Air transport Airline operations	Guidance Aircraft systems Spacecraft systems Aircraft Spacecraft	Flight control Digital systems Data transmission Guidance Aircraft systems	Aircraft aerodynamics Flight characteristics Handling qualities Flight control Handling qualities
CIT Short Course on Gas Turbine Performance	NATO—ARW on Ordered and Turbulent Patterns in Taylor-Couette Flow	RAES Management Training Course on Aviation Law and its Impact on Management	CCG Short Course on Trajectory Optimization and Guidance of Aerospace Vehicles	CCG Short Course on Technologien Digitaler Führungsysteme	CIT Short Course on Introduction to Aircraft Aerodynamics
Cranfield (UK)	Columbus, Ohio (UE)	Southampton (UK)	Oberpfaffenhofen (GE)	Braunschweig (GE)	Cranfield (UK)
12-29 2.0—24 May	22—24 May	28 !May— 5 June	3—6 June	3—7 June	37 June
12-29	12-30	12-31	12-32	12-33	12-34
×	×	×	×	×	×

12 - EDUCATIONAL COURSES (Cont.)

			سمنة ليمنان والرجيب			
Contact		CIT	CIT	NATO	ACM	900
Key Words		Microwaves Measurement techniques Radio communications Ground radars Airborne radars	Aircraft structures Structural loads Fatigue Fracture mechanics Crash protection	Decision making Command and control Electronic computers Software	Electronic computers Software Management Data processing	Automatic control Aircraft systems Spacecraft systems Engineering design
Organization and Title	Year 1991	CIT Short Course on Microwave Measurement and Practice	CIT Short Course on The Mechanics of Structural Failure	NATO—ASI on Recent Developments in Decision Support Systems	ACM 3rd International Workshop on Software Configuration Management	CCG Short Course on Nonlinear Control System Design
Location		Cranfield (UK)	Cranfield (UK)	Fontainebleau (FR)	Trondheim (NO)	Oberpfaffenhofen (GE)
Date		3—7 June	3—14 June	4—15 June	12—14 June	18—21 June
No.		12-35	12-36	12-37	12-38	12-39
		×	×	<del>*</del>	×	×

¥	12-40	12-40 24—27 June	Marne-la-Vallée (FR)	NATO—ARW on Learning Electricity or Electronics with Advanced Educational Technology	Electrical systems Electronic systems Education Electronic computers	NATO
×	12-41	24—27 June	Oberpfaffenhofen (GE)	CCG Short Course on Elektro-Optik Radar/Laser/FLIR	Electro-optics Ground radars Airborne radars Lasers Infrared radiation	933
×	12-42	24—28 June	Cranfield (UK)	CIT University Flight Course	Aircraít Flight control Flight testing Aircraít aerodynamics	CIT
×	12-43	24—28 June	Cranfield (UK)	CIT Short Course on Subsonic Aircraft Preliminary Design	Aircraft Aircraft aerodynamics Engineering design Subsonic flow Aircraft propulsion	CIT
×	12-44	1—5 July	Oberpfaffenhofen (GE)	CCG Short Course on Spacecraft Dynamics and Control	Spacecraft Flight control Spacecraft aerodynamics Flight characteristics	933
× 01	12-45	1—5 July	Cranffeld (UK)	CIT Short Course on Gas Turbine Combustion	Gas turbine engines Combustion Engineering design Performance prediction	CIT

12 - EDUCATIONAL COURSES (Cont.)

	Contact		990	999	CIT	CIT	NATO	CIT
	Key Words		Navigation satellites Navigation Positioning Spacecraft systems	Aeroelasticity Aircraft aerodynamics Spacecraft aerodynamics Flight characteristics	Automatic control Engineering design Electrical systems Hydraulic systems Actuators	Gas turbine engines Performance prediction Engineering design	Materials Superconductivity Mechanical properties	Gas turbine engines Automatic control Combustion Gas dynamics
12 EDOCATIONAL COONSES (Cont.)	Organization and Title	Year 1991	CCG Short Course on Satellitennavigation — Das Positioning-System GPS/NAVSTAR	CCG Short Course on Identification of Flexible Aerospace Systems	CIT Short Course on Fundamentals of Control Engineering	CIT Short Course on Gas Turbine Transient Performance	NATO—ASI on Physics and Materials Science of High Temperature Superconductors	CIT Short Course on Control Techniques for Gas Turbine Engines
Τ,	Location		Oberpfaffenhofen (GE)	Oberpfaffenhofen (GE)	Cranfield (UK)	Cranfield (UK)	Chania, Crete (GR)	Cranfield (UK)
	Date		2—4 July	8—11 July	8—12 July	8—12 July	14—27 July	15—19 July
	No.		12-46	12-47	12-48	12-49	12-50	12-51
	استحبي	<del></del>	×	×	×	×	ţ.	×

CIT	NATO	CIT	CIT	CIT	CIT
Flight control Aircraft systems Engineering design	Earth atmosphere Space sciences Fluid mechanics Gas dynamics	Accident investigation Aircraft Management Aircraft safety	Aircraft Flight control Flight testing Aircraft aerodynamics	Aircraft Flight control Flight testing Aircraft aerodynamics	Turbines Gas turbine engines Internal aerodynamics Engineering design Vibration
CIT Short Course on Flight Control System Design	NATO—ASI on Flow and Dynamic Modelling of the Earth and Planets	CIT Short Course on Post-Crash Management	CIT University Flight Course	CIT University Flight Course	CIT Short Course on Turbines for Gas Turbine Engines
Cranfield (UK)	Fairbanks, Alaska (US)	Cranfield (UK)	Cranfield (UK)	Cranfield (UK)	Cranfield (UK)
22—26 July	21 August— 1 September	2—6 September	9—13 September	16—20 September   Cranfield (UK)	16—20 September   Cranfield (UK)
12-52	12-53	12-54	12-55	12-56	12-57
×	<del>*</del>	×	×	×	×

12 - EDUCATIONAL COURSES (Cont.)

	No.	Date	Location	Organization and Title	Key Words	Contact
<u> </u>				Year 1991		
×	12-58	23—27 September Oberpfaffenhofen (GE)		CCG Short Course on Advances in Coding and Modulation	Coding Modulation Electronic systems Signal processing	999
×	12-59	23—27 September Oberpfaffenhofen (GE)	Oberpfaffenhofen (GE)	CCG Short Course on New Technology Involving Electromagnetic and Acoustic Waves for Surveillance/Verification of Military Activity	Electromagnetic propagation Acoustic propagation Surveillance Electronic systems	900
×	12-60	23 September – 4 October	Berchtesgarden (GE)	NATO—ASI on Optimization of Large Structural Systems	Aircraft structures Spacecraft structures Engineering design Structural loads	NATO
×	12-61	27 September – 28 June (92)	Rhode-St-Genèse (BE)	VKI One Year Post-Graduate Diploma Course	Fluid mechanics Gas dynamics Aircraft aerodynamics Spacecraft aerodynamics	VKI
×	12-62	7—25 October	Cranfield (UK)	CIT Short Course on Aircraft Gas Turbine Theory and Design	Gas turbine engines Aircraft propulsion Engineering design Internal aerodynamics	CIT

×	12-63	12-63   1417 October	Cranfield (UK)	CIT Short Course on Aircraft Gas Turbine Fuel Pumping Systems	Gas turbine engines Aircraft propulsion Pumps Fuels Aircraft systems	CIT
×	12-64	14-18 October	Braunschweig (GE)	CCG Short Course on Hochgenaue Inertiale Mess- und Navigationsysteme	Navigation Automatic control Inertial systems Aircraft systems Spacecraft systems	900
×	12-65	October – November	Budapest (HU)	OMM Training Course on Background Atmospheric Composition Measurements (Conducted in French)	Earth atmosphere Chemical composition Measurement techniques	ОММ
×	12-66	4-8 November	Cranfield (UK)	CIT Short Course on Microwave Measurement and Practice	Microwaves Measurement techniques Radio communications Ground radars Airborne radars	CIT
×	12-67	4-15 November	Cranfield (UK)	CIT Short Course on Accident Investigation for Air Crew and Operations Executives	Accident investigation Aircraft Flight crews Human factors	CIT
×	12-68	11—15 November	Braunschweig (GE)	CCG Short Course on Neue Technologie für Hubschrauber	Helicopters Aircraft structures Avionics Aircraft systems	9900

12 - EDUCATIONAL COURSES (Cont.)

					·	
Contact		CIT	CIT	933	cır	CIT
Key Words		Signal processing Digital systems Measurement techniques	Gas turbine engines Automatic control Combustion Gas dynamics	Optical systems Sensors Aircraft systems Spacecraft systems	Aircraft systems Aircraft safety Engineering design Performance prediction	Aircraft aerodynamics Flight characteristics Computer simulation Aircraft systems Flight simulators
Organization and Title	Year 1991	CIT Short Course on Basic Practical Signal Processing	CIT Short Course on Control Techniques for Gas Turbine Engines	CCG Short Course on Optische Sensoren	CIT Short Course on Safety Assessment of Aircraft Systems	CIT Short Course on Introduction to Flight Simulation
Location		Cranfield (UK)	Cranfield (UK)	Braunschweig (GE)	Cranfield (UK)	Cranfield (UK)
Date		12—14 November	18—22 November	25—29 November Braunschweig (GE)	25—29 November	26 December
No.		12-69	12-70	12-71	12-72	12-73
	<del></del>	×	×	×	×	×

900	CIT	
Aircraft aerodynamics Spacecraft aerodynamics Hypersonic flow Shock waves Transitional flow	Human factors Performance prediction Flight crews	
Oberpfaffenhofen CCG Short Course on Hypersoniche Aerodynamik/Aerothermodynamik	Limitations Limitations	
Oberpfaffenhofen (GE)	Cranfield (UK)	
12-74 3—6 December	9-13 December	
12-74	12-75	
×	×	

## Part 3 Chapitre 3

## Keyword Index Index des Mots-Clés

A

```
Accident Investigation 12-27, 12-54, 12-67
Accident Prevention 10-50, 12-27
Acoustic Propagation 02-27, 02-73, 04-05, 04-22, 04-23, 12-59
Actuators 02-45, 12-48
Aerial Photography 02-17, 02-57, 08-13
Aerodynamic Loads 03-07
Aeroelasticity 03-07, 07-58, 12-47
Aeronautics 10-02, 10-20, 10-47, 11-01, 11-06, 12-09, 12-31
Aeronomy 08-02, 08-11, 08-14, 08-15
Aerospace Industry 02-09, 02-29, 02-75, 02-88, 09-07, 09-09, 09-33, 09-34, 09-41.
              10-31, 10-48, 10-64, 10-77, 11-01
Air Operations 01-07, 01-09, 01-10, 03-06, 08-07, 08-09, 10-05, 10-20, 10-24, 10-50,
              10-52, 12-09, 12-17
Air Traffic Control 10-05
Air Transport 10-24, 12-09, 12-31
Airborne Radars 02-03, 02-12, 02-23, 02-35, 02-54, 02-78, 02-89, 08-10, 12-15, 12-35.
               12-41, 12-66
Aircraft 03-05, 03-06, 10-01, 10-06, 10-11, 10-17, 10-20, 10-22, 10-24, 10-28, 10-29,
              10-44, 10-47, 10-48, 10-52, 10-55, 10-61, 10-62, 10-66, 10-71, 10-73,
              10-74, 11-01, 11-06, 12-12, 12-16, 12-22, 12-25, 12-27, 12-28, 12-32, 12-42, 12-43, 12-54, 12-55, 12-56, 12-67
Aircraft Aerodynamics 03-02, 03-03, 03-05, 03-06, 03-07, 03-08, 03-11, 03-13, 03-14,
              03-15, 03-16, 04-01, 04-05, 04-11, 04-17, 04-20, 04-22, 04-23, 04-24,
              06-06, 07-58, 10-04, 10-16, 10-30, 10-63, 10-67, 10-75, 10-78, 12-06, 12-07, 12-11, 12-12, 12-14, 12-16, 12-19, 12-20, 12-26, 12-34, 12-42, 12-43, 12-47, 12-55, 12-56, 12-61, 12-73, 12-74
Aircraft Noise 04-05, 04-22, 04-23
Aircraft Propulsion 06-06, 06-07, 06-08, 06-10, 06-12, 06-14, 06-16, 06-18, 06-19,
              07-63, 07-81, 10-04, 10-07, 10-98, 10-30, 10-63, 10-67, 10-71, 10-75,
10-76, 10-78, 12-29, 12-43, 12-62, 12-63
Aircraft Safety 09-01, 10-22, 10-50, 12-54, 12-72
Aircraft Structures 03-07, 03-11, 07-04, 07-07, 07-08, 07-12, 07-15, 07-19, 07-22,
              07-31, 07-32, 07-37, 07-38, 07-41, 07-42, 07-43, 07-44, 07-57, 07-58,
              07-68, 07-69, 07-71, 07-74, 07-78, 07-88, 10-04, 10-07, 10-08, 10-22,
              10-28, 10-30, 10-60, 10-63, 10-67, 10-71, 10-75, 10-78, 12-01, 12-04, 12-22, 12-25, 12-28, 12-36, 12-60, 12-68
Aircraft Systems 01-04, 02-05, 02-26, 02-30, 02-63, 02-67, 02-69, 02-84, 03-13, 03-14,
               03-15, 05-01, 05-02, 05-04, 05-05, 05-10, 05-13, 05-14, 05-15, 06-07,
              07-31, 07-65, 09-23, 09-33, 10-04, 10-07, 10-08, 10-11, 10-15, 10-19, 10-30, 10-34, 10-60, 10-63, 10-67, 10-78, 11-06, 12-01, 12-32, 12-33, 12-39, 12-52, 12-63, 12-64, 12-68, 12-71, 12-72, 12-73
Airline Operations 08-07, 08-09, 10-05, 10-20, 12-09, 12-31
Antennas 02-22, 02-44, 02-81, 02-82, 02-90, 12-15
Artificial Intelligence 02-26, 05-11, 09-18, 09-19, 09-26, 09-27, 09-39, 09-46, 10-49
Attitude 05-06
```

Automatic Control 02-80, 05-03, 05-05, 05-06, 05-07, 05-08, 05-09, 05-11, 05-12, 05-13, 05-14, 05-15, 05-19, 07-70, 09-23, 09-39, 10-18, 10-45, 10-49, 10-51, 10-57, 10-65, 10-72, 10-79, 12-39, 12-48, 12-51, 12-64, 12-70 Automatic Test Equipment 02-16, 10-21, 10-53, 10-70, 10-81 Automation 07-53, 07-61, 07-70, 09-05, 09-20, 09-28, 09-44, 10-18, 10-57, 10-65, 10-72, 10-79 Aviation Medicine 01-01, 01-02, 01-03, 01-05, 01-08, 01-11, 01-13, 01-14 Avionics 02-09, 02-13, 02-21, 02-26, 02-29, 02-36, 02-39, 02-40, 02-43, 02-49, 02-63, 02-67, 02-69, 02-75, 02-88, 10-29, 10-66, 10-76, 12-68

В

Balloons 10-38 Biology 01-05, 01-11, 01-12, 01-14 Boundary Layers 04-07, 04-11

C

Ceramics 07-18, 07-27, 07-34, 07-51 Chemical Composition 12-65 Chemical Reactions 07-23, 07-35, 07-76, 07-77, 07-83, 07-87, 12-18 **Coding 12-58** Combustion 07-21, 12-45, 12-51, 12-70 Command and Control 05-09, 05-17, 05-18, 10-10, 12-37 Composite Materials 07-01, 07-11, 07-26, 07-29, 07-34, 07-39, 07-45, 07-58, 07-61, 07-66, 12-05 Computer Aided Design 07-50, 09-05, 09-12, 09-19, 09-20, 09-23, 09-32, 09-44, 12-21 Computer Graphics 04-18, 09-08 Computer Simulation 03-05, 03-09, 04-14, 09-01, 09-40, 12-02, 12-11, 12-13, 12-14, 12-20, 12-73 Concrete 07-03 Corrosion 07-06, 07-07, 07-08, 07-34, 07-35, 07-54, 07-57, 07-65, 07-69, 07-76, 07-77, 07-83, 07-87, 12-18 Crash Protection 12-36 Crystal Growth 07-20 Crystallography 07-20

D

Data Evaluation 08-01, 10-41, 10-43, 12-24
Data Processing 01-13, 02-08, 02-56, 02-58, 08-04, 09-03, 09-04, 09-06, 09-10, 09-11, 09-13, 09-15, 09-21, 09-22, 09-24, 09-29, 09-31, 09-35, 09-43, 09-46, 09-47, 10-43, 12-38
Data Transmission 02-14, 02-19, 02-28, 02-42, 02-71, 02-76, 02-85, 09-16, 09-34, 10-36, 11-03, 12-33
Databases 02-58, 09-04, 09-16, 09-25, 09-29
Decelerator Systems 10-19
Decision Making 05-17, 05-18, 10-10, 12-37
Deformation 07-11, 07-13
Detection 02-12
Digital Systems 02-52, 02-75, 09-10, 09-24, 10-36, 12-03, 12-08, 12-24, 12-33, 12-69
Display Devices 01-01, 07-40
Distributed Systems 09-26, 12-02

Document Editing 09-09
Drugs 01-02
Dynamic Loads 03-07, 03-10, 07-12, 07-38, 07-42, 07-74, 10-27, 12-01, 12-22, 12-25, 12-28
Dynamic Stability 03-10, 12-14, 12-20

E

Earth Atmosphere 02-07, 08-03, 08-04, 08-05, 08-07, 08-08, 08-09, 08-11, 08-12, 08-15, 12-53, 12-65 Earth Resources Survey 02-17, 02-57, 08-03, 08-13 Education 07-48, 12-40 **Electric Contacts 02-59** Electrical Systems 02-20, 02-21, 02-30, 02-59, 02-80, 02-83, 05-03, 05-07, 05-08, 05-19, 12-40, 12-48 Electro-Optics 02-04, 02-18, 02-24, 02-37, 02-42, 02-48, 02-55, 02-58, 02-70, 02-72, 02-77, 11-02, 11-04, 12-41 Electrochemistry 07-35 Electromagnetic Compatibility 02-13, 02-36, 02-39, 02-40, 02-49 Electromagnetic Propagation 02-13, 02-19, 02-22, 02-23, 02-28, 02-31, 02-33, 02-35, 02-36, 02-39, 02-40, 02-43, 02-44, 02-47, 02-49, 02-54, 02-61, 02-64, 02-78, 02-79, 02-81, 02-82, 02-87, 02-90, 12-59 Electromagnetism 07-17, 07-33, 07-47, 07-62, 07-75, 07-82, 07-84 Electron Beams 02-10 Electron Microscopy 02-55 Electronic Computers 02-26, 02-85, 05-11, 05-12, 05-17, 05-18, 07-50, 08-01, 09-02, 09-03, 09-04, 09-06, 09-08, 09-10, 09-11, 09-13, 09-14, 09-15, 09-17, 09-18, 09-21, 09-22, 09-25, 09-26, 09-27, 09-29, 09-30, 09-31, 09-32, 09-33, 09-35, 09-39, 09-40, 09-42, 09-43, 09-45, 09-46, 10-10, 10-43, 10-45, 12-02, 12-37, 12-38, 12-40 Electronic Systems 02-01, 02-05, 02-08, 02-09, 02-12, 02-13, 02-16, 02-20, 02-21, 02-25, 02-27, 02-29, 02-30, 02-32, 02-34, 02-38, 02-41, 02-47, 02-49, 02-50, 02-53, 02-56, 02-59, 02-65, 02-73, 02-74, 02-75, 02-80, 02-83, 02-84, 02-86, 02-88, 02-91, 05-03, 05-07, 05-08, 05-19, 10-36, 12-40, 12-58, 12-59 Energy Conversion 02-68, 06-02, 06-03, 06-04, 06-12, 06-13, 06-15, 06-19, 10-45 Engineering Design 01-11, 01-14, 02-01, 02-25, 02-30, 02-32, 02-53, 02-72, 02-74, 02-86, 03-05, 06-07, 06-08, 06-16, 07-01, 07-10, 07-16, 07-19, 07-25, 07-37, 07-41, 07-48, 07-50, 07-67, 07-68, 07-73, 07-78, 07-79, 07-85, 07-88, 09-05, 09-12, 09-17, 09-19, 09-20, 09-28, 09-42, 10-06, 10-09, 10-15, 10-16, 10-17, 10-19, 10-22, 10-26, 10-52, 10-55, 10-62, 10-71, 10-74, 12-21, 12-22, 12-25, 12-28, 12-29, 12-39, 12-43, 12-45, 12-48, 12-49, 12-52, 12-57, 12-60, 12-62, 12-72

F

Engines 06-14, 07-27, 10-01, 10-06, 10-13, 10-29, 10-55, 10-61, 10-62, 10-66, 10-73,

10-74, 10-76

Environment Protection 07-23
Environmental Control 01-04, 01-06

Fabrication Processes 02-10, 02-41, 02-46, 02-50, 02-51, 02-65, 02-91, 07-01, 07-02, 07-05, 07-16, 07-20, 07-22, 07-25, 07-26, 07-30, 07-39, 07-45, 07-48, 07-50, 07-53, 07-56, 07-60, 07-61, 07-67, 07-70, 07-72, 07-73, 07-78, 07-79, 07-85, 07-86, 07-88, 09-44, 10-09, 10-23, 10-26, 12-21

Failure Analysis 07-11

Fatigue 07-08, 07-13, 07-19, 07-29, 12-04, 12-36

Ferromagnetism 07-17, 07-33, 07-46, 07-47, 07-62, 07-82, 07-84 Fibre Optics 02-04, 02-06, 02-42, 02-62, 05-02, 07-75, 11-02, 11-04 Fibre-Reinforced Plastics 07-29, 12-05 Films 07-46 Finishing 07-56, 07-60 ·Finite Element Methods 07-37, 07-41, 10-42, 12-04 Fire Prevention 07-21 Flammability 07-21 Flight Characteristics 03-01, 03-03, 03-04, 03-08, 03-09, 03-10, 03-13, 03-14, 03-15, 03-16, 12-19, 12-26, 12-34, 12-44, 12-47, 12-73 Flight Control 03-01, 03-03, 03-04, 03-08, 03-09, 03-12, 03-16, 05-02, 05-09, 05-10, 12-12, 12-16, 12-26, 12-33, 12-34, 12-42, 12-44, 12-52, 12-56 Flight Crews 01-02, 01-07, 01-09, 01-10, 10-02, 10-11, 10-32, 12-17, 12-55, 12-67, 12-75 Flight Fitness 01-02, 01-08 Flight Simulators 03-04, 03-09, 03-12, 10-15, 12-19, 12-73 Flight Testing 10-27, 10-31, 10-44, 10-64, 10-68, 10-77, 12-12, 12-14, 12-16, 12-20, 12-42, 12-55, 12-56 Flow Visualization 04-18, 04-25

Fluid Mechanics 04-02, 04-03, 04-04, 04-06, 04-08, 04-09, 04-13, 04-14, 04-15, 04-16, 04-18, 04-19, 04-21, 04-24, 04-25, 12-07, 12-30, 12-53, 12-61

Fracture Mechanics 07-32, 12-04, 12-36 Fracture Toughness 07-11, 07-13, 07-32 Fuel Cells 06-02 Fuels 07-63, 07-81, 12-63

G

Gas Dynamics 04-01, 04-02, 04-03, 04-04, 04-05, 04-06, 04-08, 04-09, 04-10, 04-13, 04-15, 04-17, 04-18, 04-20, 04-23, 04-24, 04-25, 08-12, 12-06, 12-51, 12-53, 12-61, 12-70

Gas Turbine Engines 03-11, 04-07, 06-06, 06-07, 06-08, 06-10, 06-14, 06-16, 06-18, 07-27, 07-55, 12-23, 12-29, 12-45, 12-49, 12-51, 12-57, 12-62, 12-63, 12-70

Geophysics 08-03, 08-04, 08-06, 08-07, 08-08, 08-11, 08-14, 08-15 Ground Radars 02-03, 02-12, 02-35, 02-54, 02-78, 02-89, 08-10, 12-15, 12-35, 12-41,

Ground Testing 02-16, 03-02, 10-15, 10-21, 10-27, 10-31, 10-35, 10-41, 10-53, 10-64, 10-68, 10-70, 10-77, 10-81, 12-01

Guidance 05-02, 05-05, 05-10, 05-13, 05-14, 05-15, 12-32, 12-33

H

Handling Qualities 03-03, 12-26, 12-34
Hardware 09-03, 09-15, 09-17, 09-21, 09-22, 09-28, 09-42, 09-43
Heat Transfer 06-05, 06-09, 06-11, 06-17
Heat Treatment 07-24, 07-52
Helicopters 03-13, 03-14, 03-15, 04-22, 07-15, 07-68, 10-04, 10-07, 10-08, 10-09, 10-13, 10-16, 10-17, 10-24, 10-30, 10-63, 10-67, 10-75, 10-78, 12-68
High Frequencies 02-47
Human Factors 01-03, 03-12, 07-30, 09-13, 09-45, 10-02, 10-11, 10-32, 12-17, 12-27, 12-67, 12-75
Hydraulic Systems 12-48
Hypersonic Flow 10-71, 12-06, 12-74

Image Processing 01-01, 02-08, 02-48, 02-56, 02-60, 02-70, 02-77, 04-16, 08-08, 09-08, 12-03, 12-15 Inertial Systems 05-04, 12-64 Information Systems 01-13, 02-85, 08-01, 08-04, 08-06, 09-02, 09-09, 09-16, 09-24, 09-34, 09-36, 09-37, 09-38, 09-41, 09-47 Information Technology 07-53, 09-02, 09-16, 09-24, 09-34, 09-41, 09-47 Infrared Radiation 12-41 Instruments 02-55, 04-09, 08-02, 10-21, 10-31, 10-35, 10-57, 10-64, 10-65, 10-68, 10-72, 10-77, 10-79 Integrated Circuits 02-01, 02-10, 02-25, 02-32, 02-34, 02-38, 02-50, 02-65, 02-74, 02-86, 02-91 **Integrated Data Systems** 02-56 Intellectual Property Rights 09-36, 09-37, 09-38 Interfaces 09-45 Internal Aerodynamics 03-11, 04-07, 04-10, 04-12, 04-20, 06-06, 12-57, 12-62 Inviscid Flow 04-10 Ionosphere 02-61

J

Joining 07-28

K

Knowledge-Based Systems 09-14, 09-19, 09-25, 09-32

L

Lasers 02-04, 02-11, 02-24, 02-37, 02-66, 04-13, 11-02, 11-04, 12-41 Launchers 10-32 Laws 09-36, 09-37, 09-38, 10-33, 10-80, 12-31 Library Science 09-35, 09-41 Life Support Systems 01-04, 01-06 Lightning Protection 02-21 Liquid Crystals 07-40 Logistics 02-63, 02-67, 02-69, 10-58 Lubrication Systems 07-14, 07-59, 07-63, 07-81

M

Machining 07-24, 07-26, 07-60 Magnetic Fields 07-75 Magnetic Materials 07-17, 07-33, 07-46, 07-47, 07-62, 07-75, 07-82, 07-84 Magnetohydrodynamics 04-15 Maintainability 02-05, 02-84, 10-13, 10-15 Management 02-63, 02-67, 02-69, 07-86, 09-01, 09-07, 10-36, 10-39, 12-09, 12-38, 12-54 Mapping 02-17, 02-57, 08-13, 09-02 Marine Systems 02-03, 03-06

Materials 02-41, 02-51, 07-05, 07-06, 07-07, 07-09, 07-12, 07-14, 07-16, 07-21, 07-22, 07-23, 07-25, 07-31, 07-36, 07-44, 07-49, 07-54, 07-55, 07-56, 07-57, 07-60, 07-63, 07-64, 07-65, 07-66, 07-67, 07-69, 07-71, 07-73, 07-74, 07-76, 07-77, 07-78, 07-79, 07-80, 07-81, 07-83, 07-85, 07-87, 07-88, 12-13, 12-18, 12-50 Mathematical Models 03-02, 04-04, 04-06, 04-07, 04-08, 07-40, 10-42, 12-14, 12-20 Mathematics 03-05, 04-02, 04-14, 04-18, 04-21, 10-25, 10-42, 12-30 Measurement Techniques 02-02, 02-10, 02-11, 02-55, 02-77, 04-09, 04-13, 04-16, 04-25, 06-05, 07-06, 08-02, 08-06, 08-10, 10-21, 10-31, 10-35, 10-40, 10-41, 10-43, 10-44, 10-49, 10-51, 10-53, 10-57, 10-64, 10-65, 10-68, 10-70, 10-72, 10-77, 10-79, 10-81, 12-08, 12-10, 12-23, 12-35, 12-65, 12-66, 12-69 Mechanical Properties 07-01, 07-02, ^7-05, 07-09, 07-14, 07-16, 07-18, 07-23, 07-25, 07-27, 07-28, 07-29, 07-36, 07-39, 07-44, 07-45, 07-49, 07-51, 07-52, 07-59, 07-64, 07-67, 07-72, 07-73, 07-78, 07-79, 07-85, 07-88, 12-05, 12-13, 12-50 Metal Matrix Composites 07-39, 07-66 Metallurgy 07-52, 07-64 Metals 07-17, 07-22, 07-24, 07-28, 07-33, 07-34, 07-47, 07-52, 07-55, 07-62, 07-64, 07-66, 07-75, 07-82, 07-84 Meteorological Satellites 10-03 Meteorology 03-03, 08-01, 08-02, 08-03, 08-05, 08-07, 08-09, 08-10, 08-11, 08-12, 08-15 Microprocessors 02-16, 09-28 Microwaves 02-12, 02-34, 02-35, 02-37, 02-54, 02-78, 02-89, 12-35, 12-66 Military Aircraft 02-23, 03-03, 07-08, 07-58 Missile Propulsion 06-10, 06-18 Missiles 10-01, 10-06, 10-29, 10-55, 10-61, 10-62, 10-66, 10-73, 10-74, 10-76 Modulation 12-58 Motion Sickness 01-07, 01-09, 01-10

Mass Transfer 06-11

## N

Navigation 05-01, 05-04, 05-06, 05-10, 05-16, 10-12, 12-46, 12-64
Navigation Satellites 05-16, 10-03, 12-46
Neiwork Analysis 05-13, 05-14, 05-15
Noise Reduction 04-05, 04-23, 07-10, 07-15
Non-Destructive Testing 07-09, 07-80, 10-60
Nuclear Energy 06-01, 07-06
Numerical Analysis 04-02, 04-06, 04-14, 04-19, 04-21, 06-06, 07-04, 10-25, 10-42, 10-50, 12-07, 12-11

0

Observation Satellites 02-07, 10-03
Optical Communications 02-06, 02-14, 02-15, 02-33, 02-42, 02-60, 02-64, 02-66, 02-70, 02-71, 02-79, 02-87, 10-44, 11-02, 11-03, 11-04
Optical Microscopy 02-55
Optical Properties 02-60, 02-66
Optical Systems 02-04, 02-06, 02-11, 02-18, 02-48, 02-58, 02-60, 02-62, 02-66, 02-72, 09-04, 11-04, 12-71

Pattern Recognition 09-27, 09-46

Performance Prediction 02-23, 03-12, 08-05, 12-11, 12-17, 12-29, 12-45, 12-49, 12-72, 12-75

Phase Transformations 07-52

Photography 02-48, 02-77, 08-06

Photon Beams 02-18

Physiology 01-03, 01-08

Piston Engines 06-08, 06-14

Plasmas 04-15

Plastic Deformation 07-36

Plastics 07-05

Polymers 07-02, 07-05, 07-13, 07-29, 07-34, 07-45, 07-72

Positioning 05-16, 12-46

Power Sources 02-53, 02-68, 06-01, 06-02, 06-03, 06-04, 06-12, 06-13, 06-15, 06-19, 07-06, 10-45

Protective Coatings 07-03, 07-07, 07-54, 07-65, 07-76, 07-77, 07-83, 07-87, 12-18

Psychology 01-03 Pumps 12-63

Q

Quality Assurance 07-09, 07-30, 07-86, 10-23, 10-48

R

Radio Communications 02-14, 02-15, 02-19, 02-22, 02-28, 02-31, 02-33, 02-35, 02-43, 02-44, 02-47, 02-52, 02-54, 02-64, 02-68, 02-71, 02-76, 02-78, 02-79,

02-81, 02-82, 02-83, 02-85, 02-87, 02-89, 02-90, 10-45, 11-03, 12-66

Radio Frequency Interference 02-13, 02-36, 02-39, 02-40, 02-49

Radiography 07-80

Real Time Operation 09-30

Reliability 02-05, 02-20, 02-59, 02-84, 07-54, 09-03, 09-12, 09-18, 10-13

Remote Sensing 02-02, 02-07, 02-17, 02-18, 02-57, 02-61, 02-77, 08-08, 08-13, 10-34, 10-51, 10-59, 12-03

Research and Development 02-03, 02-08, 02-38, 02-72, 04-01, 04-19, 05-01, 07-02, 07-18, 07-35, 07-51, 07-71, 09-09, 09-24, 09-31, 09-35, 10-16, 10-28,

07-18, 07-35, 07-51, 07-71, 09-09, 09-24, 09-31, 09-35, 10-16, 10-28 10-37, 10-38, 10-39

Rheology 12-30

Robotics 05-12, 09-14, 10-18

Rocket Engines 06-10, 06-18, 10-38

Rubber 07-10

Runways 07-03

S

Satellite Communications 02-14, 02-15, 02-19, 02-31, 02-33, 02-43, 02-64, 02-68, 02-71, 02-76, 02-79, 02-87; 10-03, 11-03

Scattering 02-23, 10-25

Scientific Satellites 08-14

Semiconductors 02-41, 02-46, 02-51

Sensors 02-02, 02-11, 02-18, 02-45, 02-62, 05-04, 05-12, 08-08, 09-39, 09-44, 10-18, 10-34, 10-51, 12-71 Shock Waves 04-17, 12-74 Signal Processing 02-27, 02-52, 02-73, 02-80, 12-08, 12-15, 12-24, 12-58, 12-69 Software 05-05, 09-03, 09-05, 09-06, 09-07, 09-11, 09-12, 09-13, 09-14, 09-15, 09-17, 09-20, 09-21, 09-22, 09-25, 09-27, 09-28, 09-30, 09-31, 09-32, 09-40, 09-42, 09-43, 12-02, 12-37, 12-38 Solar Cells 06-02, 06-03, 06-13 Solar Energy 06-03, 06-04, 06-12, 06-13, 06-15, 06-19 Solid Mechanics 07-49 Solid State Devices 02-01, 02-20, 02-25, 02-32, 02-34, 02-45, 02-50, 02-51, 02-65, 02-74, 02-86, 02-91 Space Environment 01-12, 06-04, 08-14, 10-23, 10-26, 10-32, 10-37, 10-56, 10-59, 10-69, 10-80, 11-05 Space Medicine 01-01, 01-03, 01-05, 01-08, 01-11, 01-12, 01-13, 01-14 Space Operations 01-07, 01-09, 01-10, 10-12, 10-23, 10-26, 10-33, 10-37, 10-46, 10-47, 10-56, 10-58, 10-59, 10-69, 10-80, 11-05 Space Sciences 08-14, 10-01, 10-46, 10-56, 10-59, 10-61, 10-69, 10-73, 11-05, 12-53 Space Stations 10-46, 10-58, 10-69 Spacecraft 03-01, 03-10, 05-06, 05-09, 05-16, 10-01, 10-06, 10-12, 10-14, 10-26, 10-28, 10-29, 10-32, 10-33, 10-37, 10-46, 10-47, 10-48, 10-54, 10-55, 10-56, 10-61, 10-62, 10-66, 10-69, 10-73, 10-74, 10-76, 11-01, 11-06, 12-32, 12-44 Spacecraft Aerodynamics 03-08, 03-16, 04-01, 04-12, 04-17, 04-20, 04-24, 12-06, 12-11, 12-19, 12-44, 12-47, 12-61, 12-74 Spacecraft Propulsion 04-12, 06-01, 06-10, 06-12, 06-15, 06-18, 06-19, 07-63, 07-81, 10-14, 10-38, 10-54 Spacecraft Safety 09-01 Spacecraft Structures 07-04, 07-07, 07-12, 07-22, 07-31, 07-32, 07-37, 07-38, 07-41, 07-42, 07-43, 07-44, 07-57, 07-69, 07-71, 07-74, 10-14, 10-27, 10-28, 10-54, 10-60, 12-60 Spacecraft Systems 01-04, 01-06, 02-05, 02-09, 02-29, 02-30, 02-53, 02-75, 02-84, 02-88, 05-01, 05-05, 05-06, 05-09, 05-10, 05-13, 05-14, 05-15, 06-01, 07-31, 07-65, 09-23, 09-33, 10-12, 10-14, 10-19, 10-34, 10-54, 10-60, 11-06, 12-32, 12-39, 12-46, 12-64, 12-71 Static Electricity 02-21 Stimulated Emission Devices 02-24, 02-37 Stress Analysis 07-42, 07-43, 12-04, 12-05, 12-10 Structural Loads 07-04, 07-38, 07-43, 07-68, 12-05, 12-10, 12-36, 12-60 Subsonic Flow 12-43 Superconductivity 12-50 Surface Properties 07-03, 07-14, 07-46, 07-59 Surface Treatment 07-24 Surveillance 02-07, 12-59 Systems Engineering 01-04, 05-03, 05-07, 05-08, 05-19 Switching 02-83

T

Telemetry 10-40, 10-41, 10-59
Television 02-70, 10-40, 11-03
Temperature 01-06
Theoretical Physics 12-13
Thermal Analysis 06-05, 06-09, 06-17
Thermal Radiation 06-09, 06-17
Thermodynamics 04-12, 06-05, 06-09, 06-11, 06-17
Thermoelectric Generators 06-02
Toughened Plastics 07-13

Transitional Flow 04-11, 12-74
Transonic Flow 07-58
Transport Properties 06-11
Transportation 10-39
Tribology 07-14, 07-59
Turbines 04-07, 12-23, 12-57
Turbulent Flow 04-04, 04-08, 08-12, 12-30

U

Ultrasonics 01-05, 07-80 Unsteady Flow 04-03, 07-58

γ

Vapour Phases 02-46 Vibration 07-10, 07-15, 12-01, 12-23, 12-24, 12-57 Viscous Flow 04-10 Voice Communication 02-15, 02-27, 02-73 V/STOL Aircraft 10-08, 10-75

W

Wave Propagation 10-25 Welding 07-28 Wind Tunnels 03-02

# Part 4 Chapitre 4

# Country Codes Codes des Pays

AR	84	KE Kenya
ΑU		LU Luxembourg
	Bermuda	ME Mexico
BE	Belgium	MO Monaco
BR		NL Netherlands
BU	Q	NO Norway
CA		NZ New Zealand
CH		OS Australia
CI		PA Pakistan
CN		PH Philippines
CU		PL Poland
CZ	Czechoslovakia	PO Portugal
DA	Denmark	PR Puerto Rica
	Ecuador	RU Rumania
EG	Egypt	SA South Africa
EI	Ireland	SE Senegal
FI	Finland	SG Singapore
FR	France	SI Saudi Arabia
GE	Germany	SP Spain
GR	Greece	SU USSR
HK	Hong Kong	SW Sweden
HU	Hungary	TH Thailand
IC	Iceland	TN Tunisia
IL	Israel	TU Turkey
IN	India	UK United Kingdom
IR	Iran	US United States of America
IT	Italy	VE Venezuela
JA	Japan	YU Yugoslavia

# Part 5 Chapitre 5

# List of Organizations Liste des Organismes

Acronym or Code	Title and Address	Country Code
AAAF	Association Aéronautique et Astronautique de France : 6 rue Galilée, 75782 Paris, Cedex 16 Tel. 33 (1) 47.23.07.49 Fax 33 (1) 47.23.07.48	FR
AAAS	American Association for the Advancement of Science: 1776 Massachusetts Avenue, NW, Washington, DC 20036	US
AAS	American Astronautical Society: 6212 Old Keene Mill Court, Springfield, VA 22153 Tel. 703 866 0020	US
ABEND	Associaco Brasileria de Ensaior Nao Destrutivos: Rua Luiz Goes, No. 2 2342, 04.043 Sao Paulo Tel. 011-578-6677	BR
ACM	Association for Computing Machinery: Conference Coordinator, 11 West 42nd Street, New York, NY 10036. Tel. 212-869-7440	US
ACS	American Chemical Society: 1155 16th Street, NW, Washington, DC 20036	US
ACSI	American Ceramic Society: Conferences, 757 Brooksedge Plaza Drive, Westerville OH 43081 Tel. (614) 890-4700	US
ACSM	American Congress on Surveying and Mapping: 210 Little Falls Street, Falls Church, VA 22046	US
ACSO	ACS Organisations GmbH: Von-Münchhausen-Strasse 29, D-3050 Wunstorf 2 Tel. 0-50-33 20-15 Fax 0-50-33 10-56	GE

Acronym or Code	Title and Address	Country Code
AGARD*	Advisory Group for Aerospace Research and Developm 7 rue Ancelle, F-92200 Neuilly sur Seine Tel. (1) 47.38.57.95	nent: FR
AHS	American Helicopter Society: 217 North Washington Street, Alexandria, VA 22314 Tel. (703) 684-6777	US
AIAA	American Institute of Aeronautics and Astronautics: 370 L'Enfant Promenade, SW Washington, DC 20024 Tel. (202) 646-7400	i-2518 US
AICHE	American Institute of Chemical Engineers: 345 East 47th Street, New York, NY 10017	US
AIP	American Institute of Physics:	US
ALENCA	Alena Entergrises of Canada: P.O. Box 1779, Cornwall, Ontario, K6H 5V7 Tel. (613) 932-7702	CA
AMS	American Meteorological Society: 45 Beacon Street, Boston, MA 02108	US
A/SA	Air/Space America: 2830 Shelter Island Drive, San Diego, California 9210 Tel. 619.223.5585	6 US
ASCE	American Society of Civil Engineers: 345 East 47th Street, New York, NY 10017	US
ASCO	American Society of Composites : 1350 North Fairfield Road, Dayton, Onio 45432	US
ASE (ESA)	Agence Spatiale Européenne: 8-10 rue Mario Nikis, F-75738 Paris, Cedex 15	FR
ASES	American Solar Energy Society: 2400 Central Avenue, Suite B1, Boulder, CO 80301	US
ASM	American Society for Metals : Metals Park, OH 44073. Tel. (216) 338-5151	US
ASMA	Aerospace Medical Association: 320 South Henry Street, Alexandria, VA 22314-3524 Tel. 703-739-2240	US
* The various AGAR	RD Panels are as follows:	
AVP : Avionics EPP : Electrom Panel	nagnetic Wave Propagation PEP : Propulsion and SMP : Structures and N	Control Panel Energetics Panel Materials Panel
FMP : Flight Mo	echanics Panel TIP : Technical Inform	nation Panel

Acronym or Code	Title and Address	Country Code
ASME	American Society of Mechanical Engineers: 345 East 47th Street, New York, NY 10017	US
ASNT	American Society for Nondestructive Testing: 1711 Arlingate Lane, PO Box 28518, Columbus, Ohio 43228-0518. Tel.614-274-6003 Telex 245347 Fax 614-274-6899	US
ASPRS	American Society for Photogrammetry and Remote Sensing: 210 Little Falls Street, Falls Church, VA 22046 Tel. (703) 534-6617	US
ASTM	American Society for Testing and Materials: 1916 Race Street, Philadelphia, PA 19103 Tel. (215) 299-5413	US
AW	Akademie der Wissenschaften: c/o Zentralinstitut fuer Felskoerperphysik und Werkstofforschung, Helmholtzstr. 20/PF, DDR-8027, Dresden	GE
BCAS	Business Centre for Academic Societies: 3-23-1 Hongo, Bunkyo-ku, Tokyo 113 Tel.81-3-817-5831 Fax 81-3-817-5836	JA
BCS	British Computer Society: 13 Mansfield Street, London W1M 0BP	UK
BDLI	Bundesverband der Deutschen Luftfahrt-, Raumfahrt- und Ausrüstungsindustrie: Konstantinstrasse 90, Bad Godesberg, D-5300 Bonn 2 Tel. (228) 84907-26 Telex 885528 Fax (228) 330778	GE
BLRⅅ	British Library Research and Development Division: 2 Sheraton Street, London W1V 4BH Tel. 44 71 323 7050 Fax 071 323 7251	UK
CCG	Carl-Cranz-Gesellschaft: Flugplatz, D-8031 Wessling-Oberpfaffenhofen Tel. (08153) 28-413 Telex 05-26419 DLR Fax (08153) 28-1345	GE
CEC	Commission of the European Communities: c/o WIP, Sylvenstein Strasse 2, D-8000 Muenchen 70	GE
CISM	Centre International des Sciences Mécaniques : Palazzo del Torso, Piazza Garibaldi 18, I-33100 Udine	IT
CIT	Cranfield Institute of Technology: Cranfield, Bedford MK43 OAL. Tel. 0234 75011 Telex 825072 CITECH G Fax 0234 751206	UK
CMI	Computational Mechanics Institute: Ashurst Lodge, Ashurst, Southampton SO4 2AA Tel. 44 0703 293223	UK

Acronym or Code	Title and Address	Countr Code
CNES	Centre National d'Etudes Spatiales: Département Publications, 18 Avenue Edouard Belin, F-31055 Toulouse Cedex. Tel. 61.27.34.69	FR
CNRS	Centre National de la Recherche Scientifique: 15 Quai Anatole France, F-75007 Paris. Tel. (1) 45.55.92.25	FR
COSPAR	ICSU Committee on Space Research: 51 Boulevard de Montmorency, F-75016 Paris Tel. (1) 45.25.65.92	FR
DGLR	Deutsche Gesellschaft für Luft- und Raumfahrt: Godesberger Allee 70, D-5300 Bonn 2	GE
DLR	Deutsche Forschungsanstalt für Luft- und Raumfahrt e.V.: DLR Institut für Physik der Atmosphäre, 8031 Oberpfaffenhofen	GE
DOE	U.S. Department of Energy: P.O. Box 62, Oak Ridge, TN 37831. Tel. (615) 576-1301	US
ECS	European Ceramic Society: c/o Deutsche Keramische Gesellschaft e.V., Franfurter Street 196, 5000 Koeln 90	GE
EFC	European Federation of Corrosion: c/o DECHEMA, Postfach 970146, D-6000 Frankfurt am Main 97	GE
EOQC	European Organisation of Quality Control: P.O. Box 5032, CH-3001, Berne Tel. 41 31 21 61 66 Fax 41 31 26 32 57	СН
EPS	European Physical Society: P.O. Box 69, CH-1211 Petit Lancy 2	СН
ETHZ	Eidgenossische Technische Hochschule Zürich: Hönggerberg, CH-8092 Zürich	СН
EUROMECH	European Mechanics Committee: Secretariat, Dept of Mechanical Engineering, Lulea University of Technology, S-951 87 Lulea Tel. 46-920-91281 Telex 80447 LUHS Fax 46-920-97288	sw
EUROMICRO	European Association for Microprocessing and Microprogramming: PO Box 2346, 7302 EA Apeldoorn Tel. 31.55.557372 Telex 31.55.557393	NL
EUROPTICA	Europtica Services I.C.: 16 av. Bugeaud, 75116 Paris. Tel. 33.1.45.53.26.67 Telex 642632	FR
FAA	Federal Aviation Administration: 800 Independence Avenue SW, Washington, DC 20590	US

Acronym or Code	Title and Address	Country Code
FINCORR	FINCORR: Etelaranta 10, SF-00130 Helsinki. Tel. 358-01923382 Telex 124997 FIMET Fax 358-0624462	FI
GAMM	Gesellschaft für Angewandte Mathematik und Mechanik: Technische Universität, Arcisstrasse 21, Pf 202420, D-8000 München 2	GE
GIFAS	Groupement des Industries Françaises Aéronautiques et Spatiales : 4 rue Galilée, F-75782 Paris Cedex 16 Tel. 03 987 3161 Fax 147 20 00 86	FR
HAI	Helicopter Association International: 1619 Duke Street, Alexandria, VA 22314-3439 Tel. (703) 683-4646	US
HAS	Hungarian Academy of Sciences: Research Institute for Technical Physics, Ujpest 1, PF 76, 1325 Budapest	HU
HFS	Human Factors Society: P.O. Box 1369, Santa Monica, CA 90406	US
HUST	Huazhong University of Science and Technology: Department of Electrical Power Engineering, Wuhan Hubei 430074. Tel. 701541-363 Telex 40131 HBHUT Fax 027-711262	CN
нит	Helsinki University of Technology: Laboratory of Corrosion and Material Chemistry, SF-02150, Espoo Telex 125161 HTKKSF Fax 3580-4512832	FI
IAF	International Astronautical Federation: 3—5 rue Mario Nikis, F-75015 Paris. Tel. (1) 45.67.42.60	FR
IAMAP	IUGG International Association of Meteorology and Atmospheric Physics: Institut für Meteorologie und Geophysik, Universität Innsbruck, A-6020 Innsbruck. Tel 43 512 507 2183 Telex 847 533 708	СН
ICSTI	International Council for Scientific and Technical Information Secretariat, 51 Boulevard de Montmorency, 75016 Paris Tel (33) (1) 45-25-65-92 Telex ICSU 630 553F Fax (33) (1) 42-88-14-66	r: FR
ICTP	International Centre for Theoretical Physics: P.O. Box 586, I-34100 Trieste. Tel. 22401	IT
IEE	Institution of Electrical Engineers: Conference Services: Savoy Place, London, WC2R 0BL Tel. 44 71 240 1871 Ext. 222 Telex 261176 IEE LDNG Fax 071-240 7735	UK

Acronym or Code	Title and Address	Country Code
IEEE	Institute of Electrical and Electronics Engineers: Conference Coordination: 345 East 47th Street, New York, NY 10017. Tel. (212) 705-7947	US
IEICEJ	Institute of Electronics, Information and Communication Engineers of Japan: Kikai Shinko Kaikan, 3-5-8 Shiba-koen, Minato-ku, Tokyo 105	JA
IFAC	International Federation of Automatic Control: Secretariat: Schlossplatz 12, A-2361 Laxenburg Tel. (02236) 71447	AU
IFIP	International Federation for Information Processing: Secretariat: 16 place Longemalle, CH-1204 Geneva Tel. (41) 22 282649	СН
IFS	Institute of Fluid Science: Tohoku University, 2-1-1 Katahira Aoba, Scndai 980 Tel. 022 227 6200 3343 Fax 022 223 2748	JA
IGI	Information Gatekeepers Inc.: 214 Harvard Avenue, Boston MA 02134 Tel. 617-232-3111, Fax 617-734-8562	US
IGTI	International Gas Turbine Institute: 6085 Barfield Road, Suite 207, Atlanta, GA 30328 Tel. 404-847-0072	UK
IGU	IGU: IGU Secretariat, 17th and M Street NW, Washington DC 20036	US
IJCAI	International Joint Conferences on Artificial Intelligence: c/o SRI International, Menlo Park, CA 94025	US
IMACS	International Association for Mathematics and Computers in Simulation: Secretariat: 40 Millview Lawns, Malahide, Co. Dublin Tel. (353-1) 45 20 81	EI
IME	Institution of Mechanical Engineers: 1 Birdcage Walk, Westminster, London SW1H 9JJ Tel. 44 71 222 7899	UK
ІМЕКО	International Measurement Confederation: c/o Faculty of Science and Engineering, Ritaumeikan University, 56-1 Tojiin-kita, Kita-ku, Kyoto 603	JA
INCE	Institute of Noise Control Engineering: P.O. Box 3067, Arlington Branch, Poughkeepsie, NY 12603	US

Acronym or Code	Title and Address	Country Code
INRIA	Institut National de Recherche en Informatique et en Automatique:  Domaine de Voluceau-Rocquencourt, BP 105, F-78153  Le Chesnay Cedex. Tel. (1) 39 63 55 15/56 75,  Telex: INRIA 697 0 33F, Fax (1) 39 63 56 38	FR
INTELSAT	International Telecommunications Satellite Organization: c/o Nordic Conventions A/S, Raadhusstraede 5, DK-1466, Copenhagen	DA
IOP	Institute of Physics: Meetings Officer, 47 Belgrave Square, London, SW1X 8QX Tel. 44 71 235 6111 Telex 918453 Fax 071-259-6002	UK
IPS\$	International Power Sources Symposium Committee : P.O. Box 17, Leatherhead, Surrey KT22 9QB	UK
ISA	Instrument Society of America: 67 Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709. Tel. (919) 549-8411, Telex 802 540 Fax (919) 549-8288	US
ISHM	International Society for Hybrid Microelectronics: c/o Convention Travel International B.V., 10 Churchillplein, NL-2508 ED, The Hague	NL
ISPRS	International Society for Photogrammetry and Remote Sensing: Secretariat: c/o U.S. Geological Survey, P.O. Box 516, Reston VA 22092	US
ISVR	Institute of Sound and Vibration Research: The University, Southampton SO9 5NH	UK
ITU	Istanbul Technical University: Faculty of Management, Maçka, Istanbul 80680 Tel. 90-1-132 21 03 Fax 90-1-176-1734	TU
IUGG	International Union of Geodesy and Geophysics: c/o School of Surveying, University of New South Wales, Kensington, NSW 2033	os
IUPAC	International Union of Pure and Applied Chemistry: Secretariat: 2/3 Pound Way, Cowley Centre, Oxford, OX4 3YF	UK
IUPAP	International Union of Pure and Applied Physics: Secretariat: c/o Institute of Theoretical Physics, Fack S-40220 Göteborg	sw
IUTAM	International Union of Theoretical and Applied Mechanics: Secretariat: c/o Chalmers University of Technology, S-41269 Göteborg	sw
KU	Kyoto University Faculty of Engineering: Yoshida-Honmachi, Sakyo-ku, Kyoto 606	JA

Acronym or Code	Title and Address	Country Code
LIA	Laser Institute of America: 5151 Monroe Street, Suite 118W, Toledo, OH 43623	US
MELECON	MELECON 91: Secretariat, Fakulteta za Elektrotehniko, Trzaska 25, 61001 Ljubljana: Tel. 38 61 265-161 Fax 38 61 264-990	YU
MIT	Massachusetts Institute of Technology: Cambridge, MA 02139. Tel 617-253-6645	US
NACE	National Association of Corrosion Engineers: P.O. Box 218340, Houston, TX 77218. Tel. (713) 492-0535 Telex 792310 NACE HOU Fax (713) 492-8254	US
NACE(E)	National Association of Corrosion Engineers (Europe): P.O. Box 251, Guildford, Surrey GU1 3DJ. Tel. 44 483 37771 Telex 792310 NACE HOU	UK
NASA	National Aeronautics and Space Administration: Headquarters: Washington, DC 20546	US
NATO	North Atlantic Treaty Organization: Scientific Affairs Division, B-1110 Bruxelles Tel. (32) 02.728.41.11	BE
NSS	National Space Society: c/o San Antonio Space Society, Southwest Research Institute, 6220 Culebra Road, PO Drawer, 28510 San Antonio, Texas 78228-0510 Tel. 512 522 3823 Fax 512 684 3133	US
NTT	NTT: R&D Laboratories, 1-2356 Take, Yokosuka-shi, Kanagawa 238-03	JA
NYSU	New York State University at Buffalo: c/o Department of Chemistry, Buffalo, NY 14214	US
OCS	Officina del Comisario sede Social: Avenida de la Palmera 43, E-41013 Seville Tel. 954 62 93 11 Telex 72661	SP
OMM (WMO)	Organisation Météorologique Mondiale : 41 Avenue Giuseppe Motta, Case Postale n°5, CH-1211 Geneva 20	СН
ONLINE	Blenheim On Line: Blenheim House, Ash Hill Drive, Pinner, Middlesex HA5 2AE. Tel. 44 81 868 4466	UK
OSA	Optical Society of America: 1816 Jefferson Place, NW, Washington, DC 20036 Tel. (202) 223-8130	US

Acronym or Code	Title and Address	Countr Code
PCT	Paisley College of Technology: High Street, Paisley, Renfrewshire PA1 2BE Tel. 44 41-887-5948 Fax 44-41-889-9755	UK
PRI	Plastics and Rubber Institute: 11 Hobart Place, London, SW1W 0HL Tel. 44 71 245 9555 Telex 915719 PRIUK Fax 44 71 823 1379	UK
RACI	Royal Australian Chemical Institute: P.O. Box 224, Belmont, Victoria 3216	os
RAES	Royal Aeronautical Society: 4 Hamilton Place, London, WIV 0BQ. Tel. 44 71 499 3515 Telex 262826 (RAESOC G) Fax 071 499 6230	UK
RIN	Royal Institute of Navigation: c/o Royal Geographical Society, 1 Kensington Gore, London SW7 2AT. Tel. 44 71 589 5021 Fax 071-823-8671	UK
RS	Royal Society: 6 Carlton House Terrace, London SWIY 5AG Tel. 44 71 839 5561	UK
RSC	Royal Society of Chemistry: Burlington House, London WIV 0BN	UK
SAE	Society of Automotive Engineers: Meetings Division, 400 Commonwealth Drive, Warrendale, PA 15096. Tel. (412) 776-4841	US
SAMECA	SAMECA: François Buffeteau, 34 rue du Môle, 78550 Gressey Tel. 34 87 75 60, Fax 49 11 18 10	FK
SAMPE	Society for the Advancement of Materials and Process Engineering: P.O. Box 2459, Covina, CA 91722. Tel. (818) 331-0616	US
SCS	Society for Computer Simulation International: P.O. Box 17900, San Diego, California 92117-7900 Tel. (619) 277-3888 Fax (619) 277-3930	US
SEE	Société des Electriciens, des Electroniciens et des Radioélectriciens : 48 rue de la Procession, F-75015 Paris Tel. (1) 45.67.07.50	FR
SFDAS	Société Française de Droit Aérien et Spatial : c/o Agence Spatiale Européene, 8—10 rue Mario Nikis, F-75738 Paris Cedex 15	FR
SFTE	Society of Flight Test Engineers: P.O. Box 4047, Lancaster, CA 93539	US

Acronym or Code	Title and Address	Country Code
SIAM	Society for Industrial and Applied Mathematics: 1405 Architects Building, 117 South 17th Street, Philadelphia, PA 19103	US
SME	Society of Manufacturing Engineers: 1 SME Drive, P.O. Box 930, Dearborn, MI 48121 Tel. (313) 271-1500	US
SPIE	International Society for Optical Engineering: P.O.Box 10, 1022 19th Street, Bellingham, WA 98227-0010 Tel. (206) 676-3290	US
SPSE	Society of Photographic Scientists and Engineers: 7003 Kilworth Lane, Springfield, VA 22151	US
SWCS	Swedish Ceramic Society: c/o Swedish Ceramic Institute, P.O. Box 5403, S-40229, Goeteborg	sw
UCB	University of California — Berkeley: Conference Coordinator: Lawrence Berkeley Laboratory, 1 Cyclotron Road, Berkeley CA 94720	US
UIT(IUT)	Union Internationale des Télécommunications : 2 rue de Varembé, CH-1211 Geneva 20	СН
UMIST	University of Manchester Institute of Science and Technology: P.O. Box 88, Manchester M60 1QD	UK
UN	University of Nagoya: Department of Electronics, Faculty of Engineering, Furo-cho, Chikusa-ku, Nagoya 464-01	JA
UNSW	University of New South Wales : Sydney	os
URSI	Union Radio Scientifique Internationale: Avenue A. Lancaster 32, B-1180 Bruxelles Tel. 02 374 13 08	BE
US	University of Sydney: Dept of Aeronautical Engineering, NSW 2006 Tel. (02) 692 2850 Fax (02) 692 2012	os
UV	University of Vienna : Liebigasse 4/3-4, A-1010 Wien Tel 43.1.43.67.12 Fax 43.1.43.01.97	AU
VDE	Verband Deutscher Elektrotechniker: Zentralstelle Tagungen und Seminare, Stresemannallee 15, D-6000 Frankfurt-am-Main 70 Tel. (069) 63 08 202 Ext. 321	GE

Acronym or Code	Title and Address	Country Code
VKI	Von Kármán Institute for Fluid Dynamics: Chaussée de Waterloo 72, B-1640 Rhode St Genèse Tel. 02.358.19.01, Fax (02) 358.26.85	BE
WFUMB	World Federation for Ultrasound in Medicine and Biology: Secretariat: 4L Portman Mansions, Chiltern Street, London W1M 1LF	UK

To be mailed to:

AGARD/SPE

7, rue Ancelle, 92200 Neuilly-sur-Seine

FRANCE

or (from North America)

AGARD

APO New York 09777

Attention: SPE

# A G A R D MEETING FORM / FICHE DE MANIFESTATION

ţ

TITLE OF MEETING, EXHIBITION OR COURSE / TITRE DU CONGRES, SALON OU COURS:
LOCATION (CITY AND NATION) / LIEU (VILLE ET PAYS):
DATE (S):
SPONSOR (S) (NAME & ADDRESS) / ORGANISME (S) RESPONSABLE (S) (NOM & ADRESSE):
CONTACT (NAME & ADDRESS) / ORGANISME A CONTACTER (NOM & ADRESSE):
TOPICS DISCUSSED (KEY WORDS) / THEMES DISCUTES (MOTS CLES):
NOTE — Information to be announced in AGARD Calendar of Selected Aeronautical & Space Meetings must be received by AGARD at least 2 months before each issuing date, i.e. before Anil 14th and October 14th respectively.
ice action April 2011 and executives a despectable of the control of the control of the control of the requisition of the requisition and the control of the

AGARD

NATO ( OTAN

7 RUE ANCELLE · 92200 NEUILLY-SUR-SEINE

Téléphone (1)47.38.57.00 · Télex 610 176 Télécopie (1)47.38 57.99

### DIFFUSION DES PUBLICATIONS AGARD NON CLASSIFIEES

L'AGARD ne détient pas de stocks de ses publications, dans un but de distribution générale à l'adresse ci-dessus. La diffusion initiale des publications de l'AGARD est effectuée auprès des pays membres de cette organisation par l'intermédiaire des Centres Nationaux de Distribution suivants. Ces Centres disposent parfois d'exemplaires additionnels; cans les cas contraire, on peut se procurer ces exemplaires sous forme de microfiches ou de microcopies auprès des Agences de Vente dont la liste suite.

# CENTRES DE DIFFUSION NATIONAUX

ALLEMAGNE

Fachinformationszentrum, Karlsruhe D-7514 Eggenstein-Leopoldshafen 2

ANQUE
Coordonnateur AGARD-VSL
Etat-Major de la Force Aérienne
Quartier Reine Elisabeth
Rue d'Evere, 1140 Bruxelles

ADDA Directeur du Service des Renseignements Scientifiques Ministère de la Défense Nationale Ottawa, Ontario K1A 0K2

DANEMARK
Danish Defence Research Board
Ved Idraetsparken 4
2100 Copenhagen Ø

**ESPAGNE** 

INTA (AGARD Publications) Pintor Rosales 34 28008 Madrid

**ETATS-UNIS** 

National Aeronautics and Space Administration Langley Research Center M/S 180

Hampton, Virginia 23665

FRANCE O.N.E.R.A. (Direction) 29, Avenue de la Division I ectere 92320, Châtillon sous Bagneux

ICE
Hellenic Air Force
Air War College
Scientific and Technical Library
Dekelia Air Force Base
Dekelia, Athens TGA 1010

Director of Aviation

c/o Flugrad Revkiavik

PLIATE

Aeronautica Militaire Ufficio del Delegato Nazionale all'AGARD 3 Prazzale Adenauer

00144 Roma EUR

LUXEMBOURG

Voir Belgique

NORVEGE

NOTWEGIAN Defence Research Establishment Attn: Biblioteket P.O. Box 25 N-2007 Kjeller

Netherlands Delegation to AGARD National Aerospace Laboratory NLR

Kluyverweg 1 2629 HS Delft

PORTUGAL

Portuguese National Coordinator to AGARD Gabinete de Estudos e Programas

CLAFA

Base de Alfragide Alfragide 2700 Amadora

ROYAUME UNI

Defence Research Information Centre

Kentigern House 65 Brown Street Glasgow G2 8EX

TURQUIE Millî Savunma Başkanlığı (MSB) ARGE Daire Başkanlığı (ARGE)

LE CENTRE NATIONAL DE DISTRIBUTION DES ETATS-UNIS (NASA) NE DETIENT PAS DE STOCKS DES PUBLICATIONS AGARD ET LES DEMANDES D'EXEMPLAIRES DOIVENT ETRE ADRESSEES DIRECTEMENT AU SERVICE NATIONAL TECHNIQUE DE L'INFORMATION (NTIS) DONT L'ADRESSE SUIT.

### AGENCES DE VENTE

National Technical Information Service

(NTIS)
5285 Port Royal Road
Springfield, Virginia 22161
Etats-Unis

ESA/Information Retrieval Service

European Space Agency 10, rue Mario Nikis 75015 Paris

The British Labrary Document Supply Division Boston Spa, Wetherby West Yorkshire LS23 7BQ

Les demandes de microfiches ou de photocopies de documents AGARD dovent comporter le numéro de série AGARD, le utre, le nom de l'auteur ou du rédacteur-coordonnaieur et la date de publication. Les demandes adressées au NTIS doivent comporter le numéro matricule NASA du rapport. Des références bibliographiques complètes ainsi que des résumés des publications AGARD figurent dans les journaux

Scientifique and Technical Aerospace Reports (STAR) publié par la NASA Scientific and Technical Information Branch NASA Headquarters (NIT-40) Washington D C. 20546 Etats-Unis

Government Reports Announcements (GRA) publié par National Technical Information Services. Springfield Virginia 22161 Etats-Unis



Imprimé par Specialised Printing Services Limited 40 Chigwell Lane, Loughton, Essex 1G10 3TZ

<u>AGNID</u>

NATO OTAN

7 KUE ANCELLE - 92200 NEWILLY-SUR-SEINE

FRANCE

Telephône (1)47.38.57.00 Telex 610 176.

### DISTRIBUTION OF UNCLASSIFIED AGARD PUBLICATIONS

Postage an Fees Paid National Aeronautics and Space Administration NASA-451

AGARD does NOT hold stocks of AGARD publications at the above address for general distribution. Initial distribution of AGARD publications is made to AGARD Member, Nations through the following National Distribution Centres Further copies are sometimes available from these Centres, but if not may be purchased in Microfiche of Photocopy form from the Sales Agencies listed below N.B. NATO UNCLASSIFIED publications such as this are NOT available from the Sales Agencies.

NATIONAL DISTRIBUTION CENTRES:

National Aeronautics and Space Administration

Official Business Penalty for Private Use \$300

Washington, D.C. SPECIAL FOURTH CLASS MAIL 20546 BOOK



Li 001 AGCAL-91-1910204A004982D DEFT OF DEFENSE DEFENSE TECHNICAL INFORMATION CENTER ATTN : MR KURT N MOLHOLM, ADMINISTRATOR CAMERON STATION ALEXANDRIA VA 22306145

Reykjavik

LY
Aeronautica Militare
Ufficio del Delegato Nazionale all'AGARD
3 Piazzale Adenauer
00144 Roma/EUR

Glasgow G2 8EX

UNITED STATES
National Aeronautics and Space Administration (NASA)
Langley Research Center
M/S 180 Hampton, Virginia 23665

THE UNITED STATES NATIONAL DISTRIBUTION CENTRE (NASA) DOES NOT HOLD STOCKS OF AGARD PUBLICATIONS, AND APPLICATIONS FOR COPIES SHOULD BE MADE DIRECT TO THE NATIONAL TECHNICAL INFORMATION SERVICE (NTIS) AT THE ADDRESS BELOW.

### **SALES AGENCIES**

National Technical Information Service (NTIS) 5285 Port Royal Road Springfield, Virginia 22161 United States

ESA/Information Retrieval Service European Space Agency 10: rue Mario Nikis 75015 Paris France

The British Library Document Supply Centre Boston Spa, Wetherby West Yorkshire LS23 7BQ United Kingdom

Requests for microfiche or photocopies of AGARD documents should include the AGARD serial number, title, author or editor, and publication date. Requests to NTIS should include the NASA accession (eport number, Full bibliographical references and abstracts of AGARD publications are given in the following journals:

Scientific and Technical Aerospace Reports (STAR) published by NASA Scientific and Technical Information Branch 'NASA Headquarters (NIT-40) Washington D.C. 20546 United States

Government Reports Announcements (GRA) published by the National Technical Information Services, Springfield Virginia 22161 United States



Printed by Specialised Printing Services Limited -40 Chigwell Lane, Loughton, Essex IG10 3TZ

ISBN 92-835-0597-2